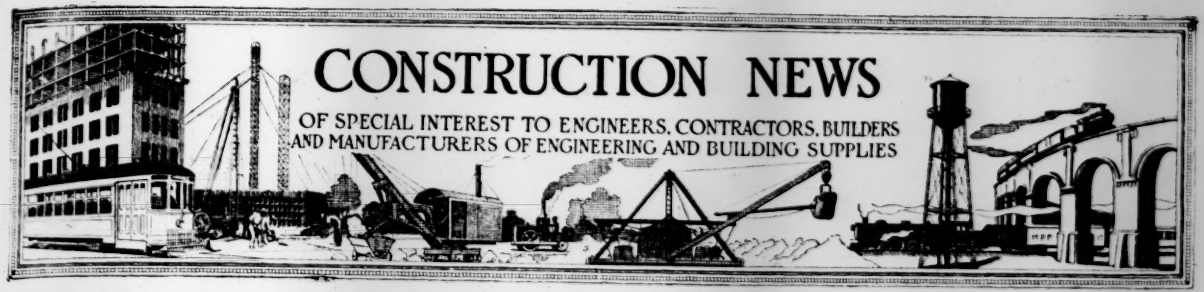
CONSTRUCTION NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

PROPOSALS

"For Proposals Advertised see the pages immediately following the Construction News Section."

WATERWORKS

Bids Close		See Eng. News-Record
Aug. 4	Lewiston, Utah	July 31
Aug. 4	Boston, Mass.	July 31
Aug. 4	Cameron, Mo.	July 31
Aug. 5	York, Ont.	July 31
Aug. 5	Zebulon, N. C.	July 17
Aug. 5	Sharon Springs, Kan.	July 24
Aug. 8	Caldwell, Kan.	July 31
Aug. 11	New Prague, Minn.	July 31
Aug. 20	Armour, S. D.	July 24
	Adv. July 24.	

SEWERS

Aug. 4	Idabel, Okla.	July 17
Aug. 4	Birmingham, Ala.	July 17
Aug. 4	Syracuse, N. Y.	July 31
Aug. 4	Marshalltown, Ia.	July 31
	Adv. July 31.	
Aug. 5	Wakefield, Neb.	July 10
Aug. 5	Caledonia, Minn.	July 24
Aug. 5	Corning, N. Y.	July 31
Aug. 6	Milan, Mo.	July 31
Aug. 7	Creston, Ia.	July 31
Aug. 8	Ferndale, Pa.	July 31
Aug. 8	Slayton, Minn.	July 31
Aug. 8	Erie, Pa.	July 31
Aug. 11	Scobey, Mont.	July 31
Aug. 12	Clayton, Mo.	July 31
Aug. 12	Erie, Pa.	July 31
Aug. 12	West Bend, Wis.	July 31
Aug. 12	Chicago, Ill.	July 31
Aug. 15	South Charleston, W. Va.	July 24
	Adv. July 24.	
Aug. 18	Hackensack, N. J.	July 24
	Adv. July 24.	
Aug. 18	Huntington, Pa.	July 31
Aug. 19	Kansas City, Mo.	July 3
	Adv. July 3 to 17.	

BRIDGES

Aug. 4	Little Rock, Ark.	July 3
Aug. 4	Santa Barbara, Cal.	July 24
Aug. 4	Logan, Utah	July 31
Aug. 5	Duluth, Minn.	July 24
Aug. 6	San Diego, Cal.	July 31
Aug. 7	Marion, Ark	July 17
Aug. 11	Duluth, Minn.	July 31
Aug. 11	Eureka, Cal.	July 31
Aug. 12	Duluth, Minn.	July 31
Aug. 19	Statesboro, Ga.	July 3
Aug. 20	Swainsboro, Ga.	July 3

STREETS AND ROADS

Aug. 4	Birmingham, Ala.	July 17
Aug. 4	Hyrum, Utah	July 24
Aug. 4	Seattle, Wash.	July 24
Aug. 4	David City, Neb.	July 17
Aug. 4	Huntington, W. Va.	July 17
Aug. 4	Fremont, Neb.	July 17
Aug. 4	Seneca, Kan.	July 17
Aug. 4	Newton, N. J.	July 24
	Adv. July 24.	
Aug. 4	Nashwauk, Minn.	July 24
Aug. 4	Huntington, W. Va.	July 24
Aug. 4	Providence, Utah	July 31
Aug. 4	California	July 31
Aug. 4	St. Paul, Minn.	July 31
Aug. 4	Wayne, W. Va.	July 31
Aug. 4	Belvidere, Ill.	July 31
Aug. 4	New Bedford, Mass.	July 31
Aug. 4	Edwardsville, Ill.	July 31
Aug. 4	Seymour, Tex.	July 31
Aug. 4	Chicago, Ill.	July 31

Bids Close		See Eng. News-Record
Aug. 4	Tacoma, Wash.	July 31
Aug. 4	St. George, S. I., N. Y.	July 31
Aug. 4	Irvington, N. J.	July 31
Aug. 5	Oregon	July 31
Aug. 5	Jersey City, N. J.	July 31
Aug. 5	Wisconsin	July 31
Aug. 5	Columbus, O.	July 31
Aug. 5	Toledo, O.	July 31
Aug. 5	Michigan	July 31
Aug. 5	Bickley, W. Va.	July 31
Aug. 5	Oakwood, Ill.	July 31
Aug. 5	Lewisburg, W. Va.	July 31
Aug. 5	River Rouge, Mich.	July 31
Aug. 5	Little Rock, Ark.	July 24
Aug. 5	Baltimore, Md.	July 24
Aug. 5	Little Falls, Minn.	
Aug. 5	Ohio	July 24
ug. 5	**Vermont**	July 24
	Adv. July 24.	
Aug. 5	Salt Lake City, Utah	July 24
Aug. 5	New York, N. Y.	July 17
	Adv. July 17.	
Aug. 5	Lexington, N. C.	July 17
	Adv. July 17.	
Aug. 5	Lewisburg, W. Va.	July 24
Aug. 6	Ortonville, Minn.	July 24
Aug. 6	Freehold, N. J.	July 24
Aug. 6	Mt. Holly, N. J.	July 24
	Adv. July 24.	
Aug. 6	St. George, S. I., N. Y.,	July 31
Aug. 6	New Jersey	July 24
	Adv. July 24.	
Aug. 6	Burlington, N. J.	July 24
Aug. 6	Delaware	July 17
	Adv. July 17.	
Aug. 6	Arkansas	July 17
	Adv. July 17.	
Aug. 7	Pittsburgh, Pa.	July 24
Aug. 7	Marion, Ark.	July 24
Aug. 7	Santa Barbara, Cal.	July 31
Aug. 8	Minnewaukan, S. C.	July 24
Aug. 9	Bay City, Mich.	July 31
Aug. 9	Duke, N. C.	July 31
Aug. 11	Buckhannon, W. Va.	July 31
Aug. 11	Mt. Union, Pa.	July 31
Aug. 11	Monroe, N. C.	July 31
Aug. 11	Las Cruces, N. M.	July 31
Aug. 11	Buckhannon, W. Va.	July 31
	Adv. July 31.	
Aug. 12	Logan, W. Va.	July 31
Aug. 12	Charleston, W. Va.	July 24
Aug. 12	Meadville, Pa.	July 17
	Adv. July 17.	
Aug. 12	Washington, N. C.	July 17
Aug. 12	Albany, N. Y.	July 17
	Adv. July 17.	
Aug. 12	Beaufort, S. C.	
Aug. 12	Omaha, Neb.	July 31
Aug. 12	Beaver, City, Neb.	July 31
Aug. 13	Holtville, Cal.	July 24
Aug. 13	Connellsville, Pa.	July 31
Aug. 13	McCook, Neb.	July 31
Aug. 13	Trenton, N. J.	July 31
Aug. 14	Jersey City, N. J.	July 31
Aug. 15	Farmington, Utah	July 17
Aug. 15	Ripley, W. Va.	July 31
Aug. 15	Oxford, O.	July 31
Aug. 15	Williamsburg, Pa.	July 31
Aug. 15	Ripley, W. Va.	July 31
Aug. 16	Abilene, Tex.	July 31
Aug. 16	St. Albans, W. Va.	July 17
	Adv. July 17.	
Aug. 18	Walnut Ridge, Ark.	July 17
	Adv. July 17.	
Aug. 19	Michigan	July 31
Aug. 19	Georgetown, Del.	July 31
Aug. 19	Faribault, Minn.	July 31
Aug. 19	Harrisburg, Pa.	July 31
Aug. 21	De Queen, Ark.	July 24
Aug. 23	Brainerd, Minn.	July 31
Aug. 24	Washington, D. C.	July 24
Aug. 24	Denver, Colo.	July 10
Aug. 26	Guntersville, Ala.	July 31
Sept. 1	Salt Lake City, Utah	July 24

EXCAVATION AND DREDGING

Aug. 4	Duluth, Minn.	July 31
Aug. 5	Shippigan, N. B.	July 24
Aug. 6	Kenton, O.	July 3
Aug. 7	Philadelphia, Pa.	July 31

Bids Close		See Eng. News-Record

INDUSTRIAL WORKS

Aug. 6	Brooklyn, N. Y.	July 31
Aug. 8	Strathrop, Ont.	July 31
Aug. 10	Duluth, Minn.	July 31
Aug. 15	Duluth, Minn.	July 31
Aug. 25	Syracuse, N. Y.	July 31

BUILDINGS

Aug. 4	Montreal, Que.	July 24
Aug. 4	Providence, R. I.	July 31
Aug. 5	Willmar, Minn.	July 3
Aug. 5	Toms River, N. J.	July 17
Aug. 5	Grange Hall, Ala.	July 31
Aug. 5	Cloversdale, Ala.	July 31
Aug. 5	Ft. Dodge, Kan.	July 31
Aug. 5	Bemidji, Minn.	July 31
Aug. 6	St. Louis, Mo.	July 24
Aug. 9	Green, O.	July 24
Aug. 11	Biwabik, Minn.	July 31
Aug. 11	Morrisonville, Minn.	July 31
Aug. 11	Ottawa, Ont.	July 31
Aug. 11	London, Ont.	July 13
Aug. 12	St. Louis, Mo.	July 31
Aug. 12	Indian Head, Sask.	July 24
Aug. 12	Morgantown, W. Va.	July 24
Aug. 14	New York, N. Y.	July 31
Aug. 15	Casper, Wyo.	July 10
Aug. 15	Winnebago, Neb.	July 31
Aug. 15	New Bedford, Mass.	July 10
Aug. 15	Omaha, Neb.	July 10
Aug. 15	Provo, Utah	July 24
Aug. 15	Lehi, Utah	July 24
Aug. 15	Nopeming, N. Y.	July 24
Aug. 18	Erie, Pa.	July 24
Aug. 21	Richmond, Utah	July 31
Aug. 24	St. Paul, Minn.	July 3
Sept. 1	Omaha, Neb.	July 17
Sept. 4	Bayonne, N. J.	July 31
Sept. 15	Pleasant Grove, Utah	July 24

FEDERAL GOVERNMENT WORK

Aug. 4	Sewers—Washington, D. C.	July 10
	Adv. July 10 and 17.	
Aug. 4	Post Office—Salem, Va.	July 17
Aug. 4	Sidewalks — Washington, D. C.	July 24
	Adv. July 24.	
Aug. 4	Boiler — New Brunswick, N. J.	July 24
Aug. 6	Paving—Washington, D. C.	July 17
	Adv. July 17.	
Aug. 6	Hangar — Spec. 4001 — Lakehurst, N. J.	July 31
Aug. 7	Dredging and Rock Removal —New York, N. Y.	July 10
	Adv. July 10 and 17.	
Aug. 8	Pumps, etc.—Cairo, Ill.	July 17
	Adv. July 17.	
Aug. 9	Wharf—Boston, Mass.	July 31
	Adv. July 31.	
Aug. 11	Dredging—Buffalo, N. Y.	July 17
	Adv. July 17.	
Aug. 11	Pass and Weir Horses, Props, etc.—Wheeling, W. Va.	July 17
Aug. 11	Timber and Cement—Detroit, Mich.	July 31
	Adv. July 31.	
Aug. 12	Paving — Washington, D. C.	July 24
	Adv. July 24.	
Aug. 13	Groins — Spec. 4004 — Great Lakes, Ill.	July 31
Aug. 13	Road Work — Flagstaff, Ariz.	July 31
Aug. 14	Rip Rap—Memphis, Tenn.	July 31
Aug. 15	Torpedo Storage and Compressor Building — Spec. 3991—Mare Island, Cal.	July 24
Aug. 18	Removing Boulders—Newport, R. I.	July 24
	Adv. July 24.	
Aug. 18	Dredging—Norfolk, Va.	July 31
	Adv. July 31.	

Bids Close		See Eng. News-Record
Aug. 19	Repairing Dike — Philadelphia, Pa. Adv. July 17 and 24.	July 24
Aug. 19	Water Pipe—Washington, D. C.	July 31
Aug. 19	Canal Wall—Washington, D. C. Adv. July 31.	July 31
Aug. 20	Metal and Glass Work—Key West, Fla. Adv. July 17.	July 17
Aug. 20	Roofing — Spec. 4005 — Norfolk, Va.	July 31
Aug. 25	Post Office—Mystic, Conn.	July 31
Aug. 26	Dredging—Honolulu, H. T. Adv. June 26.	June 26
Aug. 27	Sea Wall — New York, N. Y. Adv. July 31.	July 31
Aug. 27	Dredging—Norfolk, Va. Adv. July 31.	July 31
Aug. 27	Lock and Abutment — Louisville, Ky. Adv. July 31.	July 31
Aug. 29	Post Office—Fayette, Mo.	July 24
Aug. 29	Dredging — New York, N. Y. Adv. July 31.	July 31
Sept. 2	Miscellaneous Equipment—Washington, D. C. Adv. July 10 and 17.	July 10
Sept. 2	Post Office—Kansas City, Mo.	July 24
Sept. 10	Post Office—Douglas, Ga.	July 31

MISCELLANEOUS

Aug. 4	Distribution System—Millville, Utah.	July 24
Aug. 4	Levee — Bridge Junction, Ark.	July 31
Aug. 5	Wharf—Grosse Isle, Que.	July 24
Aug. 5	Wharf—Okanagan Center, B. C.	July 17
Aug. 5	Bulkhead — Philadelphia, Pa. Adv. July 24.	July 24
Aug. 5	Wharf—Port Elgin, Ont.	July 24
Aug. 5	Lighting Plant, etc. — Sutherland, Sask.	July 24
Aug. 5	Breakwaters — Shippigan Gulley, N. B.	July 24
Aug. 6	Pumps, Boilers, etc., — Sibley, Ia. Adv. July 24.	July 24
Aug. 6	Boilers and Generators—St. John, Kan.	July 24
Aug. 6	Pumps, Engines, etc.—Detroit, Mich.	July 31
Aug. 6	Paving Materials — St. George, S. I., N. Y.	July 31
Aug. 7	Wrecking and Removing—Chicago, Ill. Adv. July 24.	July 24
Aug. 8	Pier and Approach—Jamaico Bay, N. Y.	July 31
Aug. 9	Refuse Destruction—Newport, Ky. Adv. July 31.	July 31
Aug. 14	Wire—Detroit, Mich.	July 31
Aug. 14	Wharf — Anse Aux., Gascons, Que.	July 31
Aug. 15	Telephone Lines—Edmonton, Alta.	July 24
Aug. 18	Mechanical Loader—Hastings, Minn.	July 31
Aug. 19	Tracks—Philadelphia, Pa. Adv. July 24.	July 24
Aug. 19	Channel — Prince Edwards Island	July 31
Aug. 20	Safety Cars — Saskatoon, Sask. Adv. July 24.	July 24
Aug. 20	Wharf—Stewart, B. C.	July 31
Aug. 28	Silo—Savannah, Ga.	July 24
Sept. 23	Turbines, etc.—Saskatoon, Sask. Adv. July 24.	July 24

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Pittman—City having plans prepared by Remington & Vosbury, engrs., 601 Market St., Camden, building stand pipes, drumming stations and mains for distribution

W. Va., Clarksburg—City voted $300,000 bonds to build water works system and power plant. S. G. Highland, secy. and genl. mgr. water bd.

S. C., Lake City—City Council receives bids about Aug. 20, building waterworks system (deep well type), including furnishing and installing mains, hydrants and valves, steel tank and tower, deep well pumping machinery, boiler, etc. About $90,000. Tomlinson Eng. Co., Loan & Exch. Bank, Columbia, engrs.

O., Toledo—Comrs. Lucas Co. passed resolution to build Water Line No. 12, involving 5680 ft. 6 in. and 1510 ft. 8 in. c. i. pipe. About $14,500. L. A. Boulay, Courthouse, engr.

Kan., Harper—City having plans prepared by W. B. Rollins & Co., engrs., 209 Ry. Exch., Kansas City, Mo., improving waterworks system, including installation of pumping equipment, engine, generator and pipe lines. About $35,000.

Neb., Lincoln — City received no bids building 2,100,000 gal. rein.-con. reservoir. About $33,000. G. W. Bates, city engr. Noted July 10.

S. D., Centerville—City voted $16,000 bonds to extend water mains.

Wyo., Sheridan—City plans to build storage reservoir to increase water supply. About $15,000. H. M. Huntington, Sheridan, engr.

Okla., Ada—City plans election to vote on $500,000 bonds to extend waterworks system and build storm sewers.

Okla., Chelsea—City voted $30,000 bonds to improve waterworks system. Engineer not selected.

Okla., Tishomengo—City plans election to vote on $117,000 bonds to extend waterworks system.

Idaho—Boise—U. S. Recl. Serv. appropriated $463,000 for King Hill and $325,000 for Okanogan irrigation projects.

Idaho, Iona—City soon lets contract furnishing materials and building waterworks system, involving 13,300 ft. 4-8 in. wood pipes and 25,000 gal. concrete tank. Cotton & Wilson, Idaho Falls, engrs.

Wash., Spokane—See "Miscellaneous."

Que., St. Honore—Municipal Council soon lets contract building waterworks system. About $45,000. J. F. Brenow, Chicoutimi, engr.

Ont., Kitchener—Town plans to build new water supply and fire protection systems. Cost between $500,000 and $1,000,000. M. Fraser, City Hall, engr.

Ont., Toronto—Bd. Control soon lets contract laying and supplying 1200 ft. 20 in. c.i. water pipe, valves, etc., on section of St. Clair Ave. About $25,000. R. C. Harris, City Hall, engr.

Sask., Moose Jaw—City plans to extend waterworks system from Saskatchewan River to Moose Jaw, involving 70 mi. 24 in. wood pipe and 2,000,000 gal. reservoir. About $1,630,000. G. D. Mackie, Moose Jaw, engr.

BIDS DESIRED

Mass., Boston—Until Aug. 4, by Metropolitan Water and Sewerage Bd., 1 Ashburton Pl., building 2100 ft. 12 in. c.i. water pipe, here; 5000 ft. 16 in. c.i. in Arlington; 1700 ft. 36 in. c.i. in Chelsea. W. E. Foss, ch. engr.

Minn., Moose Lake—I. A. Jacobson, village clk., receiving bids laying 4350 ft. 6 in. and 3240 ft. 4 in. water mains, seven 6 in. and three 4 in. gate valves, 12,735 ft. 6-12 in. sewer and 17 manholes. About $7000.

Minn., New Prague—Until Aug. 11, by J. T. Rynda, supt. waterworks system, building 60,000 gal. wooden water tank and 80 ft. steel tower. About $6500.

Minn., St. Cloud—A. W. Buckman, city clk., receiving bids furnishing and laying 17,600 ft. 6-12 in. water mains.

Kan., Caldwell—Until Aug. 8, by H. W. Baker, city clk., laying 5 mi. 10 in. c. i. pipe. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs.

Mont., Scobey—Until Aug. 11, [illegible] city completing waterworks system, [illegible] 100,000 gal. steel tank on 80 ft. [illegible] Brhydrants, 4-6-8 in. mains, pumping station, intake well, etc. About $85,000. W. B. Saunders, Helena, engr. Noted June 19.

Mo., Cameron—Until Aug. 4, [illegible] City Clerk, laying 6000 ft. 4-6 in. pipe, [illegible] hydrants, 20 valves, including mechanical equipment, etc. E. E. Harper, 2218 East 30th St., Kansas City, engrs.

Utah, Lewiston—Until Aug. 4, by city furnishing materials and building waterworks system, involving 5400 ft. 4 in. and 1346 ft. 2½ in. steel pipe. T. H. Humphries, Logan, engr.

Ont., York—Until Aug. 5, by F. Barber, engr., 40 Jarvis St., Toronto, building 29,635 ft. 6 in. c.i. water mains, in Atlas Ave., N., Miller Ave., Hanson Rd., etc., for York Co. About $175,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract.)

★N. Y., Garnerville—See "Sewers."

★N. J., Jersey City—City let contract duplicating existing syphons between Passaic River at Lyndhurst and Summit Ave. reservoir, here, Sect. 2 of pipe line between Boonton Reservoir and here, to P. McGovern, 50 East 42nd St., New York City, $2,036,619. Noted June 5.

★Ind., Whiting—City let contract building 4,000,000 gal. capacity filtration plant including two 3,000,000 gal. and two 3,000,000 gal. centrifugal pumps, to C. W. Secord, West Pullman, Ill. About $180,000. Noted May 22.

★Ill., Salem—City let contract building rein.-con., brick and steel filtration plant to W. C. Johnson Constr. Co., South High St., Belleville. About $12,000. Noted June 19.

★Minn., Frazee—City let contract laying water mains and building standpipe for tank to have 100,000 gal capacity, to Pastoret Constr. Co., 510 Lyceum Bldg., Duluth, $29,798. Work involves 600 lin. ft. 18 in. steel pipe.

★Mo., Mt. Vernon—Bd. Mgrs. Missouri State Sanitorium let contract building water system, to Urbauer-Atwood Heating Co., 115 South 11th St., St. Louis, $12,977. Noted July 17.

★Utah, Price—City let contract furnishing labor for laying 24.5 mi. pipe line from here to Calton, to Staes-Zeese & Raikes, Price, $71,595. Noted July 3.

★B. C., Vancouver—L. D. Pattullo, minister of lands, let contract building ditches laterals and flumes to irrigate 3000 acres near Vancouver, to A. E. Griffen, Vancouver, Wash. About $60,000.

Sewers

PROPOSED WORK

Mass., Pittsfield—City voted $36,000 bonds to build sewers in various streets.

R. I., Cumberland (Manville P. O.)—City plans to build new sewerage system. About $150,000. O. P. Sarle, 146 Westminster St., Providence, engr.

N. Y., Syracuse—City plans to build storm and sanitary sewers in 3 sections of Glenwood Ave., 1400 ft. long. About $10,000. H. C. Allen, city engr.

N. J., Paulsboro—Town soon receives bids building 11 mi. terra cotta sewer. About $150,000. Remington & Vosbury, 601 Market St., Camden, engrs.

Pa., Jeanette—See "Streets and Roads."

W. Va., Clarksburg—See "Streets and Roads."

N. C., Burlington—City will build 5 mi sewer, together with disposal plant also double its present water supply by building dam across Stone Creek, and piping 7 mi. to city. E. B. Horner, mayor Engineer not selected; advertised in this issue.

S. C., Barnwell—City plans election soon to vote on $50,000 bonds to build sewerage system. Tomlinson Eng. Co., 1003 Loan & Exch. Bank Bldg., Columbia, engrs.

S. C., Lake City—City Council receives bids about Aug. 20, installing gravity type sewerage system, septic tank and disposal plant. About $60,000. Tomlinson Eng. Co. Loan & Exch. Bank Bldg., Columbia, engrs.

O., Toledo—City receives bids about Sept. 1 building Sewer No. 1363, involving 4752 ft 8 in. vitr. pipe, 16 manholes. About $10,286. H. C. McClure, city engr.

Sewers (Continued)

O., Toledo—Comrs. Lucas Co. passed resolution for laying 730 ft. 12 in. and 1400 ft. 10 in. vitr. sewer, in Forest and Hickory Sts., about $10,200; 1366 ft. 10 in. and 2890 ft. 8 in. vitr. sewer in Ottawa Hills Subdivision, $13,000; 157 ft. 24 in., 1349 ft. 18 in., 1130 ft. 15 in., 960 ft. 12 in. and 4360 ft. 8 in. vitr. sewer in Dist. No. 1361, $23,037. H. C. McClure, 229 Valentine Bldg., engr.

Mich., Detroit—City soon receives bids building 1920 ft. 4 ft. brick, concrete or segmental block sewer in Virginia Park from Wilson Ave. to 14th St., cost $42,000; 4880 ft. sewer in Bates and Randolph Sts., from Bway. to river, with arm in Bway., involving 310 ft. outlet section, 2860 ft. 12 ft. 9 in. sewer and 1710 ft. sewer arm, concrete or brick, $508,000. C. W. Hubbell, city engr.

Mich., Detroit—City having estimates prepared building 8180 ft. sewer in Lonyo St., sewer arm in Atkinson Ave., from Linwood to Woodward Aves., with branch in 3rd St. from Atkinson Ave. to Highland Park line, brick or concrete, $825,000; also for sewer in Brush St. sewer system from Bway. north in Brush St. to Highland Park line, with branches reaching east to Greeley and Russell Sts. and 1 branch west to Wilson Ave., to be 12 ft. 9 in. in diameter at end and decreasing in size to Highland Park end, $2,092,000. C. W. Hubbell, city engr.

Ill., Chicago—See "Streets and Roads."

Ill., Clearing (Chicago P. O.)—Chicago Clearing & Transfer R. R., c/o Alvord & Burdick, engrs., 8 South Dearborn St., Chicago, having plans prepared for installing 3 mi. 12-39 in. sewers. About $100,000.

Minn., Austin—F. R. Smith, city recdr., soon lets contract laying sewers in Hope, Ash and Clark Sts. Work involves 1512 lin.ft. 10-24 in. terra cotta pipe, 340 lin.ft. 30 in. corrugated iron pipe, 16 inlets, 1095 cu.yd. excav., etc.; also in Collins and Ash Sts., to Bridge St., 310 lin.ft. 10 in. and 498 lin.ft. 15 in. terra cotta pipe, 302 cu.yd. excav., 3 manholes and 8 inlets; in Mill St., 443 lin.ft. 10 in. and 660 lin.ft. 15 in. terra cotta pipe, 15 cu.yd. plain concrete, 55 cu. yd. excav. and 3 manholes.

Neb., Alliance—City plans to build sewers and pave various streets. About $50,000. Grant, Fulton & Letton, 505 Bankers Life Bldg., Lincoln, engrs. Noted July 17.

Neb., Harvard—City having plans prepared installing sanitary sewers and building sewage disposal plant. About $50,000. Grant, Fulton & Letton, 505 Bankers Life, Lincoln, engrs.

Okla., Ada—See "Waterworks."

N. M., Santa Fe—City plans to lay 13,800 ft. 6 and 8 in. vitr. sanitary and storm water sewers, in Palace, Grant and Lincoln Aves. and Johnson and Don Gasper Sts., involving 5800 cu.yd. excav. W. G. Turnley, city engr. bout $13,000.

Wash., Seattle—City soon receives bids laying 6792 lin.ft. 8-15 in. clay sewer pipes in 50th Ave. S. Former bids rejected. About $21,239. A. H. Dimock, city engr.

Ore., Portland—City Council plans to build trunk sewerage system in East 57th St. from Klickitat to East 60th Sts., south to center Hancock St., Hancock St. to East 62nd St. to center of Halsey St., east to East 63rd St. to connect with sewer in East 63rd and Willow St. About $180,780. O Laurgaard, city engr.

Ore., Portland—City Council plans to build sewers in Ogden Ave., from 41st St. S. E. to East Moreland, cost $3070; Ellis Ave. from East 24th to East 22nd Sts., $850; East 71st and East Taylor Sts., $8887; Glenwood Ave. from East 14th to Milwaukee Sts.; East 16th St. from Bybee Ave. to Glenwood Ave., $1717; Bybee St., from 41st St. S. E., to Bizbee Ave., $2948; Klickitat St. from East 65th to East 60th Sts., East 65th, East 64th, East 63rd, East 62nd and East 61st Sts., $24,376; also building 52nd St. and Foster Rd. Sewerage System, $19,876; 52nd St. S. E. from 39th Ave. S. E. to 52nd St.; 36th Ave. S. E. from 54th to 52nd Sts., East 37th Ave. from 54th St. to County Rd.; 52nd St. from 36th Ave. S. E. to 38th Ave. S. E.; Foster Rd. from 41st Ave. to 38th Ave. S. E.; 41st Ave. S. E., total cost $19,876, all vitr. or cement pipe. G. R. Funk, city aud.

Cal., Willows—City voted $40,000 bonds to build sanitary sewerage system.

Ont., Burlington—J. S. Allen, town clk., soon lets contract building sanitary sewers in sections of Guelph Rd., Caroline, Clark, Locust, Greeen, St. Paul, New, Caroline and Ontario Sts., involving 23,000 ft. 8 in. vitr. pipe. About $150,000. Chipman & Power, Mail Bldg., Toronto, engrs.

Ont., Newmarket — City having plans prepared by E. A. James, engr., 57 Adelaide St., Toronto, installing sewers in various streets. About $22,000.

Ont., Oshawa—W. G. Worden, engr., Oshawa, soon lets contract furnishing and laying 7200 ft. 15 in. vitr. tile sewer for town. About $20,000.

BIDS DESIRED

N. Y., Corning—Until Aug. 5, by Bd. Pub. Wks., building 13,000 ft. sanitary and storm sewers. W. C. Drake, supt.; advertised in this issue.

N. Y., Syracuse—Until Aug. 4, by Bd. Contr. & Supply, building Sect. D, 17th Ward Sewer. Former bids rejected.

N. J., Irvington—See "Streets and Roads."

Pa., Erie—Until Aug. 8, by city engr., extending outlet of Canal Sewer, cost $10,000; completing Holland St. sewer, $6000 and building 6 in. storm sewer known as Cold Spring Run Flood Control Project, $47,000.

Pa., Erie—Until Aug. 12, by City Council, completing Sect. 2 and 3 of Garrison Run Impvt. F. C. Lynch, city engr.; advertised in this issue.

Pa., Ferndale—Until Aug. 8, by Common Council and Owen & Plummer, engrs., Otto Bldg., Johnstown, building sewers and paving Glenwood, Vickroy and Summitt Aves. and Ogle St., involving 3300 ft. 6-12 in. terra cotta pipe, 10,000 sq.yd. reip.-con. or vitr. block paving, etc. About $75,000.

Ia., Creston—Until Aug. 7, by C. Davenport, city clk., building sanitary sewers in Dist. Nos. 41 to 53, inclusive, involving 1350 ft. 10 in. and 9800 ft. 8 in. pipe. P. K. De Voe, city engr.

Ia., Marshalltown—Until Aug. 4, by O. A. Rosengren, city clk., for construction of 810 lin.ft. 36 in. segmental block or vitr., 440 lin.ft. 30 in. 410 lin.ft. 18 in. and 194 lin.ft. 15 in. vitr. sewer pipe, 22 catch basins, 6 manholes, 1 concrete bulkhead; advertised in this issue.

Minn., Moose Lake—See "Waterworks."

Minn., St. Cloud—A. W. Buckman, city clk., receiving bids building 36 in. double ring segmental block sewer in 5 blocks.

Minn., Slayton—Until Aug. 8, by village, laying 5800 ft. 8 in. tile, 7652 ft. 6-8 in. tile, sixty 6 in. and sixty 8 in. y's, 2 auto flush tanks and 5 manholes. E. G. Minder, village engr.

Mont., Scobey—Until Aug. 11, by City Council, installing 20,000 lin. ft. 8-18 in. vitr. pipe sewers, manholes, settling tank and sludge beds, in main streets. About $45,000. W. B. Saunders, Helena, engr. Noted June 10.

Mo., Clayton—Until Aug. 12, by St. Louis Sewer Comn. at office of County Clerk, building joint district sewers in Dist. No. 1. W. Elbring, Clayton, engr. Noted July 24.

Mo., Milan—Until Aug. 6, by City Clerk, building complete sanitary sewerage system and sewage disposal plant. About $40,000. Archer & Stevens, New England Bldg., Kansas City, engrs.

Okla., Paul's Valley—See "Streets and Roads."

Cal., Santa Barbara—See "Streets and Roads."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Conn., Portland—Sewer Com. received bids building sewers in Central Sect., from S. Mazzotta, $45,590; A. Brazon, $48,890; F. Arrigoni, $50,970. Contractors all of Middletown.

★**N. Y., Garnerville**—Garners Pipe Wks. let contract building sewage disposal plant and water filtration plant, to Linde & Griffith Co., foot of 4th Ave., Newark, N. J. About $45,000.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., received bids July 21. building sanitary and storm water sewers and appurtenances in 32nd and Lawrence Aves., Willets Point Blvd. and Linden St., from Porter & DeWitt, $659,218; Kenmere Contg. Co., $724,000; Peace Bros., 20 Main St., Flushing, $867,000. Noted July 17.

★**N. J., Pleasantville**—City let contract building 10 mi. sanitary sewerage system, to E. G. Britz, 1759 Park Ave., New York City, $86,310.

N. J., Westmont (Camden P. O.)—City received bids building (a) 9 mi. sanitary sewerage system involving 126 manholes and 18 flush tanks, (b) disposal plant and pumping station, from Penn Eng. & Constr. Co., 1119 North Howard St., Phila., (a) $72,597, (b) $30,500; W. P. Corson, 1141 Sycamore St., Camden, (a) $68,416, (b) $26,284; R. F. Relly, Easton, Pa., (a) $69,131; B. Prizzimenpi, (b) $26,500. Noted July 17.

★**Pa., Erie**—City Council let contract for completion of Sects. 3 and 4 of Mill Creek Flood Control Project, to Folwell-Ahlskog, 24th and State Sts. About $703,830 and $539,288 respectively. They are not the lowest bidders, but on the condition that they receive both sections, this company deducted 5 per cent, which brought them $14,000 lower than any other contractor.

★**N. C., Goldsboro**—City let contract for labor for building several miles 8-15 in. terra cotta out-fall sewer pipe, to Sullivan, Long and Hagerty, Bessemer, Ala., $53,000; pipe, to Chattanooga Sewer Pipe Co., Chattanooga, Tenn.

O., Springfield—City received bids laying 2945 ft. 30 in. sewer pipe in alley west of Fountain Ave., from McCreight to College Sts., (a) rein.-con. segmental block, (b) vitr. tile, from C. Simmons, (a) $13,500, (b) $13,000; P. Hounker, (a) and (b) $18,510; J. J. Donnelly, (a) $22,630. Contractors all of Springfield. Noted June 19.

★**Mich., Alpha**—City will spend $50,000 to build sewers. S. A. Greeley, 39 West Adams St., Chicago, engr. Work will be done by day labor.

★**Mich., Dearborn**—City let contract building complete system storm laterals, involving 40,000 ft. 12-18 in. vitr. pipe, to G. R. Cooke, 1013 Ford Bldg., Detroit, $71,120. Noted July 17.

★**Mich., Detroit**—City let contract building vitr. crock sewer with manholes and special T and Y connections in Lateral Sewer No. 3070 in block between Yellowstone, Yosemite, Joy and Elmherst Aves., to Lennane & McIllvenna, Book Bldg., $10,500. Work involves 2500 ft. 8-12 in. vitr. pipe.

Mich., Muskegon—City received only bid building Highland Park Sewerage System, involving 144 ft. 20 in. and 6588 ft. 8 in. sewer, manholes and connections, from G. W. Clark, Muskegon, $28,860. Bid does not include sand and gravel used in filling. (Same to be furnished at cost plus 10 per cent.)

Ill., Chicago—Bd. Local Impvts. received bids July 18, building sewers in South Crawford Ave., West 59th and West 63rd Sts., from Ryan Co., 4500 West Division St., $964,440; M. Pontarelli, West 79th St. and South Kedzie Ave., $968,380; C. Roberts, 6921 South Laflin St., $1,030,261. Work involves 1 concrete bulkhead and siphon, 10,370 ft. 3-6 ft. 2R brick, 3560 ft. 10.5 ft. 4R brick, 18,720 ft. 7.5-10 ft. 3R brick, 2680 ft. 2-18 ft. D. S. sewer pipes, 1030 ft. 1.25-12 ft. wing sewers, 800 cu.yd. macadam pavement, 2500 sq.yd. 2.5 in. asphaltic top, 7000 sq.ft. 5 in. concrete and 2000 lin.ft. cinder sidewalks, 20,000 cu.yd. surplus excav., etc.

★**Wis., Janesville**—Bd. Pub. Wks. let contract building sewers in Dists. No. 3, 4, 5, 10, 11, 12, 14, 15 and 16, to G. W. Mulholland, Rockford, Ill., $31,375. Noted July 10.

★**Minn., St. Cloud**—City let contract building 30 blocks 48 in. and 10 blocks 72 in. double ring or 2 piece vitr. segmental block sewer, to Gedney & Murphy, Minneapolis, $376,063. Noted July 10.

★**Tex., Dallas**—City let contract laying 4000 ft. 33-39 in. concrete and 18-21 in. tile sewers, in Parry Ave. Dist., to W. H. Nichols, 116 West 12th St., $22,223.

★**N. B., Moncton**—City let contract building trunk sewer, to J. E. Kane, St. John, $18,391.

★**Ont., Kingston** — Dept. Pub. Wks., Ottawa, let contract installing sewerage system and disposal plant at Sydenham Military Hospital here, to W. H. Harvey, Kingston, $10,403. Noted June 26.

Bridges

PROPOSED WORK

Conn., Warehouse Point (Hartford)—Comrs. Hartford Co. retained G. H. Sage, of Berlin Bridge Co., to act as consult. engr. and work in conjunction with C. J. Bennett, comr. state highway, Capitol, Hartford, to prepare plans for bridge spanning Connecticut River from here to Windsor Locks. About $350,000. Noted July 24.

N. J., Hackensack—Bd. Supervs. Bergen and Hudson Counties soon let contract repairing structural steel on Paterson Plank Rd. Bridge over Hackensack River. About $10,000. R. McClure, Courthouse, engr. Noted June 5.

N. J., Hoboken—Delaware, Lackawanna & Western R. R., 90 West St., New York City, plans to build viaduct over tracks on Newark Turnpike, here. About $125,000. G. J. Ray, ch. engr.

Pa., Wilkes-Barre—Luzerne Co. plans to build 60 ft. rein.-con. bridge, 15 ft. wide, Buck Twp. and 74 ft. steel bridge, 20 ft. wide, Black Creek Twp. About $16,000 and $20,000 respectively. J. J. Boyle, Court House, engr.

W. Va., Clarksburg—See "Streets and Roads."

Minn., Duluth—Comrs. St. Louis Co. receive bids about Sept. 1, building 74 rein.-con. bridges in 6th Dist. About $385,000. R. W. Acton, co. engr.

Wash., Asotin—City having preliminary plans prepared for memorial bridge over Asotin Creek on west end of Main St. About $15,000.

Ore., The Dalles—City voted $14,500 bonds to build concrete bridge over Mill Creek on West 6th St. R. A. Garrow, city engr.

Cal., Capay—Bd. Supervs. Yolo Co. (Woodland) plans to build 170 ft. bridge over Cache Creek near here. About $30,000. Address M. H. Stitt, supervr.

Cal., Eureka—Bd. Supervs. Humboldt Co. soon receives bids building steel bridge over Mattole River, consisting of two 195 ft. spans. H. J. Brunnier, Sharon Bldg., San Francisco, engr.

Cal., Woodland—Bd. Supervs. Yolo Co. plans to build 90 ft. steel bascule bridge over Sycamore Slough, cost $20,000; also bridge at Davis, $5000. Address F. B. Edson, supervr.

Ont., Trenton—Dept. Pub. Wks., Ottawa, soon receives bids replacing bridge at Canadian Northern R. R. crossing over Murray Canal, here. About $35,000. E. Lafleur, Dept. Pub. Wks., Ottawa, engr.

BIDS DESIRED

Pennsylvania—Until Aug. 18, by State Highway Dept., Harrisburg, building 66 bridges, 6-36 ft. spans, in Armstrong, Berks, Cameron, Clarion, Clearfield, Columbia, Crawford, Erie, Fayette, Indiana, Jefferson, Lehigh, Monroe, Montgomery, Pike, Schuylkill, Sullivan, Susquehanna, Venango, Warren, Wayne and Wyoming Counties. L. S. Sadler, state highway comr.; advertised in this issue.

Pa., East Brady—See "Streets and Roads."

Pa., Huntington—Until Aug. 18, by Comrs. Huntington Co. building 2 rein.-con. bridges, 50 ft. span, about 1 mi. south of Blairs Mills Pa. J. M. Africa Co., Huntington, engrs.

Ill., Chicago—Until Aug. 12, by C. R. Francis, comr. pub. wks., building substructure of double leaf trunnion bascule bridge over south branch of Chicago River on Madison St., involving 8000 cu.yd. excav. and 5000 cu.yd. concrete in walls and abutments. About $300,000. T. G. Pihlfeldt, br. engr.

Wis., West Bend—Until Aug. 12, by Parsons & Orbert, engrs., 627 M. & M. Bank, Milwaukee, building 120 ft., rein.-con. and steel bridge here, with two 40 ft. girder spans, 30 ft. roadway 6 ft. sidewalks and earth approach and fill. About $30,000.

Minn., Duluth—Until Aug. 11, by Comrs. St. Louis Co., building 26 rein.-con. bridges. R. W. Acton, co. engr.

Minn., Duluth—Until Aug. 12, by Comrs. St. Louis Co., building 8 bridges. W. H. Borgen, aud.

Minn., Faribault—See "Streets and Roads."

Utah, Logan—Until Aug. 4, by Comrs. Cache Co., building 5 rein.-con. bridges, involving 8000 lbs. steel and 200 cu.yd. rein.-con.; also three steel span bridges, two 190 ft. span bridges, and one 70 ft. span bridge. T. H. Humpheries, co. engr.

Cal., Eureka—Until Aug. 11, by Bd. Supervs. Humboldt Co., building 145 ft. rein.-con. arch bridge over Little Van Dusen Creek, near Dismores. H. J. Brunnier, Sharon Bldg., San Francisco, engr.

Cal., San Diego—Until Aug. 6, by Bd. Supervs. San Diego Co., building 200 ft. girder type rein.-con. bridge at La Costa, consisting of five 40 ft. spans, and involving 998 cu.yd. excav., 579 cu.yd. Class "A" and 177 cu.yd. Class "B" concrete and 40 tons reinforcing steel. J. B. McLees, clk.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★N. J., Jersey City—Comrs. Essex Co. let contract painting part of Passaic Bridge and all of Hackensack Bridge on Lincoln Highway, to J. J. Haas, Montgomery St., $14,480 and $4080 respectively. Noted July 17.

★Pa., Du Bois—City let contract building 104 ft. bridge, 16 ft. wide, on Brady St., to Farris Eng. Co., Empire Bldg., Pittsburgh, $26,850. Noted July 10.

★Pa., Punxsutawney — Jefferson Co. (Brookville) let contract building 48 x 148 ft., rein.-con. bridge, here, to Whittaker & Diehl, Union Trust Bldg., Harrisburg, $38,715. Noted July 10.

★Mich., Gladwin City—State Highway Dept., Lansing, let contract building 100 ft. bridge over Cedar River, 23 ft. wide, Gladwin Co., to Ross & Williams, Beaverton, $18,372. Work involves 522 cu.yd. rein.-con., 220 cu.yd. concrete and 18 tons steel.

Mich., Port Huron—See "Streets and Roads."

★Mich., St. Ignace—State Highway Dept., Lansing, let contract building 60 ft. bridge over Carp River, 18 ft. wide, Mackinac Co., to A. S. Decker & Co., 1608 Beech St., Flint, $28,556. Work involves 350 cu.yd. rein.-con., 600 cu.yd. concrete and 7 tons steel.

★Ill., Chicago—Forest Preserve Dist. of Cook Co., Cook Co. Bldg., let contract building bridge over Des Plaines River on Washington Blvd., to Standish & Allen, 220 South State St., $58,985. Work involves 1690 cu.yd. concrete, 78,000 lb. reinforcing steel, 2000 cu.yd. dry and 2500 cu.yd. wet excav., 904 sq.yd. paving, 7500 brick in hand rail, etc.

★Ia., Cedar Rapids—City let contract building 600 ft. rein.-con. bridge on 1st Ave., to Koss Constr. Co., 2818 5th St., Des Moines, $418,999.

★Neb., Lincoln—Comrs. Lancaster Co. let contract building 100 ft., rein.-con. cantilever bridge over Oak Creek, on 14th St., involving 455 cu.yd. rein.-con. and 15.5 tons steel, to Martin Constr. Co., Lincoln, $18,250. Noted July 17.

★Okla., Tulsa—Comrs. Tulsa Co. let contract building 260 ft. steel bridge over Caney River, to have 120 ft. span and four 35 ft. spans, to Concrete, Steel & Constr. Co., 214-223 W. 3rd St., Joplin, Mo., $28,250.

★Cal., Redwood City—Comrs. San Mateo Co. let contract building rein.-con. bridge over New Year's Creek on Santa Cruz Rd., to A. Mattson, San Bruno, $11,427. Noted July 24.

★Ont., Grand Valley—Town Council let contract building 40 ft. span rein.-con. bridge on River Rd., to J. Tilker, Post Office St., Harrison. About $21,000.

Reinforced Concrete

PROPOSED WORK

Ala., Birmingham—See "Railways under Alabama."

O., Carthage—See "Industrial Works."

Minn., Duluth—See "Bridges."

BIDS DESIRED

Cal., San Diego—See "Bridges."

Streets and Roads

PROPOSED WORK

Mass., Leominster—City plans to pave 4600 ft. Main St., 18 ft. wide, involving 15,363 sq.yd. concrete, cost $50,000; 5645 ft. Lancaster St., 18 ft. wide, 11,290 sq.yd. concrete, $35,000. C. L. Ray, city engr.

Mass., Southbridge—City plans to macadamize South St., cost, $2500. Mechanic St., $1800, and repair permanent roadways, $6000.

Mass., Westboro—City appropriated $20,000 bonds for asphalt work on various streets.

Conn., Bloomfield—Town appropriates $20,000 to improve various roads. C. J. Bennett, c/o State Highway Dept., Hartford, engr.

N. Y., Albion—City election Aug. 7, to vote on $28,000 bonds to pave Clinton St. from West Bank to West Ave., concrete with Medina sandstone curb.

N. Y., Buffalo—City plans to pave Kensington Ave. from Main St. to Humboldt Parkway, 30 ft. wide, Manitoba St. from Gilbert St. to Baitz Ave., 26 ft. wide, Grove St. from Hertel Ave. to Race St., 26 ft. wide, asphalt, spec. "B" Medina sandstone curbs; repave Hampshire St. from Niagara St. to Normal Ave., 30 ft. wide, South Park Ave. from Cumberland Ave. to Triangle St., 32 ft. wide; also new paving on Wex Ave. to point 146 ft. south of Walden Ave., 24 ft. wide, Meriden St. from Abbott Rd. to point 1100 ft. northeasterly, 26 ft. wide. G. H. Norton, city engr.

N. Y., Utica—Common Council issued $70,000 bonds and soon receives bids resurfacing Claremont Terrace, Bradford, Butterfield and Downer Aves., Van Vorst, York, Catharine and 3rd Sts. J. Kemper, city engr.

N. J., North Bergen—Town soon lets contract improving Hamilton Ave., bituminous surface. About $20,000. P. Brady, clk.

Pennsylvania — State Highway Dept., Harrisburg, rejected bids received July 5 building 71,063 lin.ft. rein.-con. or bituminous surface course, in Lackawanna and Wyoming Counties and 16,218 lin.ft. rein.-con., Lehigh Co. Work will be readvertised at once. Noted July 17.

Pa., Erie—City soon lets contract grading various streets, involving 36,000 cu.yd. excav.

Pa., Jeanette—Borough plans to issue $150,000 bonds to pave and improve various streets and build sewers.

Pa., Juniata—Boro. Council receives bids about Aug. 15 paving and cement curbing 4500 ft. 3rd St., rein.-con., cost $40,000; 1350 ft. 4th Ave. from 17th to 20th Sts., Hillside vitr. brick on 5 in. concrete base. H. Linton, 1717-13th St., Altoona, engr.

Va., Charlottesville—City soon lets contract paving, curbing 1300 ft. West Main St., 35½ ft. wide. About $20,000. S. A. Hecker, city engr.

W. Va., Clarksburg—City voted $600,000 bonds to pave streets and build sewerage system, also build bridge on West Pike St. over West Fork River connecting Adamston and Point Comfort, cost $80,000; on East Main St., over Elk Creek, $30,000; on East Pike St., over Elk Creek, $20,000; on Hartland Ave., over right of way of Monongahela Valley Traction Co., $8000; on Sycamore St. across Elk Creek, $20,000. Noted Oct. 3.

W. Va., Hinton—Summers Co. soon receives bids grading 2.7 mi. Hinton-Talcott Rd., 16 ft. wide, cost $34,000; 4.5 mi. Pence Springs-Griffiths Creek Rd., 16 ft. wide, $26,000.

W. Va., Martinsburg—Comrs. Berkley Co. soon receive bids resurfacing Winchester Pike, 16 ft. wide, bituminous macadam. About $100,000. J. W. Sperow, Martinsburg, engr.

W. Va., New Martinsville—Wetzel Co. Clay Dist., voted $105,000 bonds to improve 4 mi. Hundred-Littleton Rd. G. W. Comstock, New Martinsville, engr.

W. Va., Ripley—Comrs. Jackson Co. soon receive bids paving .35 mi. Ripley St., 15 ft. wide, vitr. brick. About $13,000. J. S. Chase, co. engr.

W. Va., Wheeling—City having plans prepared paving streets. About $110,000 available for project. H. Conrad, city engr.

W. Va., Winfield—Putnam Co. soon lets contract grading and draining 4 mi. Huntington-Charleston Rd., 26 ft. wide, involving 45,000 cu.yd. excav. About $50,000. G. H. Davis, Charleston, engr.

N. C., Dodson—Comrs. Surrey Co. plan to gravel 11 mi. road from Elkin to Doughton. About $20,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

Streets and Roads (Continued)

N. C., Elizabethtown—Comrs. Bladen Co. plan to build 35 mi. road from here to Cumberland Co. line and from here to Robeson Co. line, probably gravel. About $100,000. W. S. Fallis, c/o State Highway Dept. Raleigh, engr.

N. C., Fayetteville—City soon lets contract paving various streets. Plans include new pavements, surfacing old macadam on gravel bases and resurfacing old asphalt streets. Cost between $75,000 and $150,000. E. C. Derley, Fayetteville, engr.

N. C., Gastonia—Gaston Co. election Aug. 19 to vote on $500,000 bonds to improve roads.

N. C., Goldsboro—City retained Ludlow Engineers, Winston-Salem, to prepare plans and supervise construction of street paving. About $200,000.

N. C., Greenville—Comrs. Pitt Co. plan to gravel surface 10 mi. Greenville-Kinston Rd. About $30,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

N. C., Brevard—Comrs. Transylvania Co. plan to gravel surface 1 mi. Hendersonville-Brevard Rd. About $35,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

N. C., Jefferson—Comrs. Ashe Co. plan to gravel 18 mi. road from here to county line. About $60,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

N. C., Lillington—Comrs. Harnett Co. plan to gravel 4 mi. road from Dunn to Sampson Co. line. About $10,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

N. C., Lillington—Comrs. Harnett Co. plan to gravel 28 mi. roads. About $90,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

N. C., Louisburg—Comrs. Franklin Co. plan to gravel surface 4 mi. Raleigh-Rocky Mt. Rd. About $12,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

N. C., Louisberg—Comrs. Franklin Co. plan to build 20 mi. various roads, probably gravel. About $65,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

N. C., Lumberton—Robeson Co. voted $750,000 bonds to build roads. State and Federal Government will be asked to appropriate $250,000 toward project.

N. C., Marion—Comrs. McDowell Co. plan to grade and gravel surface 28 mi. Morganton-Marion-Asheville Rd. About $280,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

N. C., Marshall—Comrs. Madison Co. plan to gravel 9.5 mi. road from Walnut Gap to Laurel River and from Mars Hill to Yancey Co. line. About $30,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

N. C., Nashville—Comrs. Nash Co. plan to gravel surface 12 mi. Rocky Mt.-Halifax Rd., cost, $40,000; 4 mi. Raleigh-Rocky Mt. Rd., $12,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

N. C., Raeford—Comrs. Hoke Co. plan to surface 10 mi. Raeford-Fayetteville Rd. About $30,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

N. C., Rutherfordton—Comrs. Rutherford Co. plan to gravel surface 38 mi. Charlotte-Asheville Highway. About $120,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

N. C., Sparta—Comrs. Allegheny Co. plan to gravel 12 mi. road from here to Roaring Gap and from here to Ashe Co. line. About $36,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

N. C., Wilson—Comrs. Wilson Co. receive bids in fall graveling 20 mi. various roads. About $60,000.

N. C., Vanceyville—Comrs. Caswell Co. plan to build 18 mi. road from here to Alamance Co. line, probably gravel. About $50,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr.

S. C., Barwell—City plans election soon to vote on $60,000 bonds to extend street paving in business section. Tomlinson Eng. Co., 1003 Loan and Exch. Bank Bldg., Columbia, engrs.

Fla., Bunnell—Flagler Co. voted $250,000 bonds to build 36 mi. road.

Fla., Jacksonville—City Council plans to issue $50,000 bonds to build sidewalks.

Miss., Poplarville—Pearl River Co. voted $450,000 bonds to build hard surfaced roads. Federal Government will appropriate $150,000 toward project.

Miss., Walthall — Webster Co. issued $250,000 bonds to build roads.

La., Alexandria—Rapides Parish voted $2,000,000 bonds to build roads. Noted April 10.

La., Colfax—Grant Co. election Aug. 19 to vote on $210,000 bonds to build and complete 110 mi. roads.

La., New Orleans—City plans to pave following streets during 1920: St. Ann and St. Peter Sts. from Rampart to Decatur Sts., Orleans St. from Rampart to Royal St., Barracks St. from Rampart to North Peters St., Birch St. from Carrolton Ave. to Eagle St., Leonidas St. from Birch to Spruce Sts., Claiborne Ave. from Elysian Fields to St. Roch St., Treret St. from Calliope to Melpomene Sts., Erato and Clio Sts. from Magnolia to Claiborne Sts., Ester, Irma and Felicia Sts. from Bway. to Walnut Sts., Burdette St. from Plum to Jeanette Sts. and from Hickory to Spruce Sts., Elm St. from Adams to Lowerline Sts., Hampson St. from Fern to Lowerline Sts., Plum St. from Audubon to Lowerline Sts., Hagan Ave. from De Soto to Orleans Sts., Manrepas St. from Gentilly to Esplanade Sts., Constana St. from Louisiana Ave. to St. Mary St., Dufossat St., from Laurel St. to Dock Board Roadway, Baronne St. from Howard Ave. to Melfomene St., Girod St. from Camp to Rampart Sts., Hickory St. from Audubon Blvd. to Carrolton Ave., gravel, bitulithic or sheet asphalt. T. L. Willis, city engr.

La., New Orleans—City plans to pave, drain and curb 3000 lin.ft. St. Joseph St. from Camp to Delta Sts., 40 ft. wide, involving 9850 sq.yd. granite or wood block, 1640 sq.yd. concrete on 6 in. concrete base, 3850 lin.ft. stone curbing, 1200 sq.yd. Shillinger sidewalk, 4240 cu.yd. excav., cost $69,396; 2050 ft. Julia St. from Magazine to Delta Sts., 40 ft. wide, 9025 sq.yd. granite or wood block, 1510 sq.yd. concrete on 6 in. concrete base, 2750 lin.ft. stone curbing, 500 sq.yd. Shillinger sidewalk, 750 cu.yd. excav., $47,163; 1600 ft. Girod St. from Camp to Water Sts., 29 ft. wide, 2500 sq.yd. granite or wood block, 420 sq.yd. concrete on 6 in. concrete base, 1170 lin.ft. stone curbing, 700 sq.yd. Shillinger sidewalk, 110 cu. yd. excav., $33,060; 1600 ft. Notre Dame St., from Magazine to Delta Sts., 22 ft. wide, 1380 sq.yd. granite or wood block, 1100 sq.yd. granite block relaid, 230 sq.yd. concrete on 6 in. concrete base, 550 lin.ft. stone curbing, 150 sq.yd. Shillinger sidewalk, 2460 cu.yd. excav., $35,086; 500 ft. Lafayette St. from Front to St. Peters Sts., 22 ft. wide, 1380 sq.yd. granite or wood block, 230 sq.yd. concrete on 6 in. concrete base, 650 lin.ft. stone curbing, 550 sq.yd. Shillinger sidewalk, 2460 cu.yd. excav., 1100 cu.yd. small granite block relaid, installing 6-24 vitr. pipe, $19,438; 400 ft. Howard Ave. from Front to St. Peters Sts., 28 ft. wide, 1440 sq.yd. granite or wood block, 220 sq.yd. concrete on 6 in. concrete base, 700 lin.ft. stone curbing, 600 sq.yd. Shillinger sidewalk, 600 cu.yd. excav., $12,000; 760 ft. Natchez St. from Bank Pl. to Tchoupitoulas St., 12 ft. wide, 1610 sq.yd. granite or wood block, 20 sq.yd. asphalt relaid, 270 sq.yd. concrete on 6 in. concrete base, 700 lin.ft. stone curbing, 950 lin.ft. small granite block gutter, 500 sq.yd. Shillinger sidewalk, 510 cu.yd. excav., installing 6-18 in. vitr. pipe, $10,780; Common St. from Magazine to Front St., 2480 sq.yd. granite or wood block, 40 sq.yd. asphalt relaid, 415 sq.yd. concrete on 6 in. concrete base, 300 lin.ft. stone curbing, 800 lin.ft. small granite block gutter, 900 sq.yd. Shillinger sidewalk, $14,419. T. L. Willis, city engr. Noted June 12.

Ohio—State Highway Comn., Columbus, rejected bids received July 11, building roads in following counties:

Crawford Co., Sect. "M-1", Bucyrus-Galion Rd., 1.74 mi., grading, constructing bridges and culverts and paving with either bituminous macadam or semi-monolithic brick.

Sect. "M-2", Bucyrus-Galion Rd., 2.75 mi., grading, constructing bridges and culverts and paving with either bituminous macadam or semi-monolithic brick.

Fayette Co., Sect. "A", Columbus-Washington C. H. Rd., 5.01 mi., grading, constructing bridges and culverts and paving with either waterbound macadam or bituminous macadam.

Morgan Co., Sect. "H", McConnellsville-New Lexington Rd., 3.26 mi., grading, constructing bridges and culverts and paving with waterbound macadam. New bids will be received. Noted July 17.

O., Cincinnati—City plans to widen roadway of McMillan St. from Peebles Corner to Almas Pl., by 4 ft., also repave same. About $50,000. F. Krug, city engr.

O., Leipsic—City receives bids about Sept. 15, paving ½ mi. Mathias St., 20 ft. wide. About $20,000. G. Champe, 610 Nasby Bldg., Toledo, engr.

O., Springfield—City received no bids paving 4563 ft. Limestone St., Sect. 1, from Washington to Clark Sts., wood or granite block, Sect. 2 from Clark to Rice Sts. sheet asphalt, bitulithic or brick, 45 ft. wide, involving 11,400 sq.yd. paving and 9100 ft. concrete curbing. O. E. Carr, city engr. Noted June 26.

Mich., Detroit—Dept. Pub. Wks. soon receives bids paving with 1 course concrete 1st Alley west of and parellel with 4th Ave. from Noble to Stimson Pl., cost, $1160; North and South Alley, between McClellan, Park View, Jefferson and Agnes Sts., $2235; Alley between Beaubien, St. Antoine, Palmer and Hendrie Sts., $2232. Alley between Beaubien, Oakland, Hague and Alger Sts.; $5516; Alley between John R. Brush, Harmon and Rosedale Sts., $5180; Alley between Bewick, Garland, Waterloo and Charlevoix Sts., $4455; North and South Alley between Melrose, Cameron, East Grand Blvd. and Custer Sts., $2610; Alley between 3rd, 2nd, Milwaukee Sts and West Grand Blvd., $4216; "L" Alley between Hamilton, 3rd, Glynn and Calvert Sts., $4380; Alley first east of and parallel to Dexter St. from Lothrop to Northwestern Sts., $1350; Alley between Joseph Campau, Mitchell, Warren and Theodore Sts., $1645; North and South Alley between Chene, Naples, Harper and Piquette Sts., $2140; Alley between St. Clair, Hamilton, Waterloo and Charlevoix Sts., $6500; Alley between Avery, Commonwealth, Lysander and Forest Sts., $2480; Alley between Vinewood, McKinley, Sylvan and Warren Sts., $2630; Alley between Joseph Campau, Mitchell, Palmer and Hendrie Sts., $2830; East and West Alley between 2nd, Woodward, Glynn and Calvert Sts., $3680; North and South Alley between Woodward, John R. Hancock and Warren Sts., $3020, 12-24 ft. wide. C. W. Hubbell, city engr.

Mich., Detroit—Dept. Pub. Wks. soon receives bids paving with asphaltic concrete on 6 in. concrete base, Berea, Medina or other curbstone, Hancock Ave. from Joseph Campau to Mt. Elliott Aves., cost, $45,790, Newberry Ave. from Junction to Cavalry Aves., $16,100, Ferry Ave. from Baldwin to Van Dyke Aves., $8370, Canfield Ave. from McClellan to Pennsylvania Aves., $10,809, Craig Ave. from Trombly to Milwaukee Aves., $7490, Highland Ave. from 12th St. to Wabash Ave., $9700, Lakeview Ave. from Kercheval to Waterloo Aves., $9650, Naples St. from Harper to Piquette Aves., $7640, Indiandale Ave. from 12th St. to Ellen Ave., $7150, Holmur Ave. from Joy to Collingwood Aves., $39,070, all 26 ft. wide, Fullerton Ave. from Oakman Ave. to Wabash Ave., $36,000, Clements Ave. from Herman Ave. to 12th St., $16,220, both 24 ft. wide. C. W. Hubbell, city engr.

Mich., Port Huron—Comrs. St. Clair Co. having plans prepared grading, draining, furnishing material and surfacing 5½ mi. Avoca-Beard Rd., 9 ft. wide, Kenockee and Clyde Twps.

Ill., Chicago—Bd. Local Impvts. soon lets contract paving alley between Montrose, Cullom, Ashland and Paulina Aves., involving 1180 ft. concrete curbing, 580 cu.yd. excav., 1180 sq.yd. vitr. brick on 6 in. concrete base, 260 ft. 10 in. tile sewer, etc., cost, $5000;

Alley between East 63rd and East 64th Sts., Langley and Champlain Aves., 410 cu.yd. excav., 1260 sq.yd. 7 in. concrete pavement, $4300;

Alley between Addison St., Cornelia Aves., Halsted St. and Reta Ave., 357 cu.yd. excav., 1050 sq.yd. asphalt on 7 in. concrete, 200 ft. 10 in. tile sewer, etc., $5300;

Alley between West 65th Pl., West 66th St., Stewart and Normal Aves., 196 cu.yd. excav., 1220 sq.yd. asphalt on 7 in. concrete, $3900;

Alley between Sunnyside, Galt, Clarendon and Hazel Aves., 612 cu.yd. excav., 1240 sq.yd. asphalt on 7 in. concrete, $1800;

Streets and Roads (Continued)

Alley between Harrison and Flournoy Sts., Spaulding and Homan Aves., 1190 ft. concrete curbing, 501 cu.yd. excav., 940 sq.yd. vitr. brick on 6 in. concrete, $3777.

Alley between Granville and Hood Aves., Bway. and Lakewood Ave., 410 cu.yd. excav., 1250 sq.yd. asphalt on 7 in. concrete, 75 ft. 10 in. sewer tile, etc., $4800;

Alley between Van Buren and Congress Sts., Washtenaw and California Aves., 2028 ft. concrete curbing, 609 cu.yd. excav., 1780 sq.yd. vitr. brick on 6 in. concrete, $6100;

Alley between Menomonee and Eugenie Sts., Cleveland Ave. and Mohawk St., 387 cu.yd. excav., 1190 sq.yd. asphalt on 7 in. concrete, $4200;

Alley between Fillmore and 12th Sts., Francisco Ave. and Richmond St., 1408 ft. concrete curbing, 486 cu.yd. excav., 1110 sq.yd. vitr. brick on 6 in. concrete, $4300;

Alley between Sunnyside, Galt and Hazel Aves. and Sheridan Rd., 537 cu.yd. excav., 1190 sq.yd. asphalt pavement on 7 in. concrete, $4500;

Alley between Huron, Erie and Leavitt Sts. and Oakley Blvd., 1220 ft. concrete curbing, 805 cu.yd. excav., 1080 sq.yd. vitr. brick on 6 in. concrete, $6300;

Alley between East 63rd and East 64th Sts., Ingleside and Drexel Aves., 200 cu.yd. excav., 1100 sq.yd. asphalt on 7 in. concrete, $3700;

Alley between Blackhawk and Division Sts., Holt and Dickson Aves., 2690 ft. concrete curbing, 1300 cu.yd. excav., 2330 sq.yd. vitr. brick on 6 in. concrete, 375 ft. 10 in. tile sewer, etc., $10,457;

Alley between Washington Blvd., Madison, Ada and Sheldon Sts., 1550 ft. concrete curbing, 1115 cu.yd. excav., 1600 sq.yd. vitr. brick on 6 in. concrete, $9600;

Alley between Chicago Aves., Superior St., Hoyne Ave. and Leavitt St., 1204 ft. concrete curbing, 680 cu.yd. excav., 1070 sq.yd. vitr. brick pavement on 6 in. concrete, $4191;

Alley between Fillmore and 12th Sts., Sacramento Blvd. and Richmond St., 301 cu.yd. excav., 1190 sq.yd. asphalt on 7 in. concrete, $2800;

1st alley west of Racine Ave. from Congress to Harrison Sts., 658 ft. concrete curbing, 252 cu.yd. excav., 520 sq.yd. vitr. brick on 6 in. concrete, $2800;

Alley between West 72nd, West 73rd Sts., Union and Emerald Aves., 372 cu.yd. excav., 1020 sq.yd. asphalt on 7 in. concrete, $2700;

Alley between Grenshaw and 12th Sts., Kedzie and Spaulding Aves., 546 cu.yd. excav., 1240 sq.yd. asphalt on 7 in. concrete, $3150;

Alley between Harrison and Flournoy Sts., Homan and St. Louis Aves., 1200 ft. concrete curbing, 482 cu.yd. excav., 935 sq.yd. vitr. brick on 6 in. concrete, $3400;

Clyde Ave. from East 73rd to East 75th Sts., 2500 ft. concrete curbing, 1500 cu.yd. excav., 3600 sq.yd. asphalt on 6 in. concrete, etc., $15,000;

Clyde Ave. from East 92nd to East 93rd Sts., 1250 ft. concrete curbing, 800 cu.yd. excav., 1790 sq.yd. asphalt on 6 in. concrete, etc., $7,500;

Shields Ave. from 35th St. to point 631 ft. south, 500 ft. concrete curbing, 100 cu. yd. excav., 2760 sq.yd. vitr. brick on 6 in. concrete, 205 ft. 12 in. tile sewer, etc., $13,500;

East 72nd St. from South Shore Dr. to East 71st St. and East 71st St. from South Shore Dr. to point 122 ft. east, 1490 ft. concrete curbing, 2200 cu.yd. excav., 2410 sq.yd. asphalt on 7 in. concrete, etc., $11,000;

South Hoyne Ave. from West 107th to West 111th Sts., 108th Pl. from Hoyne Ave. to point 160 ft. east, West 110th St. from Longwood Dr. to Hoyne Ave., 8000 ft. concrete curbing, 4500 cu.yd. excav., 13,000 sq.yd. asphalt on 6 in. concrete, etc., $49,500. C. D. Hill, city engr.

Wisconsin—State Highway Comn., Div. No. 4, Grand Rapids, soon lets contract, improving 10.19 mi. Wautoma-Redgranite Rd., Waushara Co., Federal Aid Project No. 46, involving 8.6 acres clearing and grubbing, 40,958 cu.yd. earth excav., 247 cu.yd. Class "A" concrete, 52,599 sq.yd. sand clay surfacing, etc.; 6.4 mi. Stevens Point-Waupace Rd., Portage Co., Federal Aid Project No. 76, 1 acre clearing and grubbing, 19,257 cu.yd. earth excav., 8 cu. yd. Class "A" concrete, 60,112 sq.yd. gravel surfacing, etc.

Wisconsin—State Highway Comn., Div. No. 2, Stephenson Bldg., Milwaukee, soon lets contract improving 1.04 Brown Deer Bridge and Road, Milwaukee Co., Federal Aid Project No. 95, involving 10,692 cu.yd. earth excav., 1283 cu.yd. Class "A" and 303 cu.yd. Class "B" concrete, 920 sq.yd. concrete surfacing, etc.

Wis., Sheboygan—City plans to grade and pave 2.1 mi. Michigan Ave. from 17th St. to city limits, 18 ft. wide, involving 15,000 sq.yd. 2 course concrete and concrete curbs and gutters. About $25,000. C. U. Boley, city engr.

Wis., Superior—City having plans prepared for widening 16th St. and extending Lamborn Ave. or building alley between 16th St. and Grand Ave. About $15,211. M. G. Beckley, clk.

Minn., Aitkin—Comrs. Aitkin Co. authorized $250,000 bond issue to build highways. H. O. Beecher, co. aud.

Minn., Anoka—Comrs. Anoka Co. authorized $250,000 bond issue to build highways. A. A. Caswell, co. aud.

Minn., Austin—Comrs. Mower Co. authorized $65,000 bond issue to build highways. O. J. Simmons, co. aud.

Minn., Brainerd—Comrs. Crow Wing Co. authorized $200,000 bond issue to build roads. C. W. Mahlum, co. aud.

Minn., Elk River—Comrs. Sherburne Co. authorized $125,000 bond issue to build highways. C. S. Wheaton, co. aud.

Minn., Faribault—Comrs. Co. authorized $250,000 bond issue to build highways. F. M. Kaisersatt, co. aud.

Minn., Foley—Comrs. Benton Co. authorized $250,000 bond issue to build roads. J. E. Kasner, co. aud.

Minn., Grand Marais—Comrs. Cook Co. authorized $50,000 bond issue to build highways. T. I. Caster, co. aud.

Minn., Grand Rapids—Itasca Co. election Aug. 18 to vote on $2,000,000 bonds to build roads. R. W. Acton, Duluth, engr.

Minn., Mahnomen—Comrs. Mahnomen Co. authorized $100,000 bond issue to build highways. F. D. Johnson, co. aud.

Minn., Orontonville—Comrs. Bigstone Co. authorized $50,000 bond issue to build highways. A. M. Randall, co. aud.

Minn., Park Rapids—Comrs. Hubbard Co. authorized $50,000 bond issue to build highways. F. Heisel, co. aud.

Minn., Rochester—Comrs. Olmsted Co. authorized $50 000 bond issue to build highways. L. J. Fiegal, co. aud.

Minn., St. James—Comrs. Watonwan Co. authorized $250,000 bond issue to build roads. A. G. Countryman, co. aud.

Minn., Slayton—Comrs. Murray Co. authorized $100,000 bond issue to build highways. E. V. O'Brien, co. aud.

Kan., Cimarron—Gray Co. having plans prepared building 25 mi. gravel roads. W. Barton, co. engr.

Neb., Alliance—See "Sewers."

Neb., Ashland—City plans to pave 16 blocks with asphalt or brick. Grant, Fulton & Letton, 505 Bankers Life Bldg., Lincoln, engrs.

Neb., Fairmount—City having plans prepared paving 10 blocks, vertical fibre or concrete. About $60,000. Grant, Fulton & Letton, 505 Bankers Life Bldg., Lincoln, engrs.

Neb., Lincoln—City plans to pave 5600 ft. Farm Ave., 6th, D, 33rd and Maple Sts., 25-30 ft. wide, involving 17,000 sq.yd. asphaltic concrete on 4 in. concrete base, and 12,000 lin.ft. concrete curbing and guttering. About $60,000. G. W. Bates city engr.

Neb., Red Cloud—City plans to pave 40 blocks with sheet asphalt, asphaltic concrete or brick. Grant, Fulton & Letton, 505 Bankers Life Bldg., Lincoln, engrs.

Montana—State Highway Comn., Helena, plans to gravel surface 29 mi. Yellowstone-Glacier Bee Line Rd., Park Co., cost $100,000; 12 mi. Sun River-Chateau Rd., Cascade Co., $48,000. Federal Government asked to appropriate toward cost. P. D. Pratt, state highway engr.

Mont., Ekalaka—Carter Co. election Sept. 2 to vote on $35,000 bonds to build roads. Federal Government will appropriate toward cost. P. D. Pratt, Helena, state highway engr.

Mont., Glendive—Dawson Co. election Sept. 2 to vote on $200,000 bonds to build roads. B. W. Adams, Glendive, engr. Noted May 1.

Mont., Helena—City plans to pave various streets with concrete or brick. About $150,000. J. McLeod, city engr.

Mo., Centralia—Town plans to pave six blocks various streets. About $60,000. Engineer not selected.

Mo., Charleston—Comrs. Mississippi Co. soon receive bids paving, grading, draining and building culverts and bridges on 12½ mi. road, 16 ft. wide, 2 course concrete, earth shoulders. C. E. Swank, Charleston, engr.

Mo., Fornfelt—City soon lets contract paving, grading, curbing and guttering Ruth St. from Main to 5th Sts., involving 4270 sq.yd. asphalt, 3114 lin.ft. granolithic curbing and guttering, 6544 cu.yds. earth excav. About $10,000. J. E. Kinkead, city engr.

Mo., Glendale (St. Louis P. O.)—L. C. Dziatzko, engr., 200 Empire Bldg., Webster Groves, receives bids about Aug. 16, paving 1400 ft. Sappington Rd. from Big Bend to Etta, 25 ft. wide, rein.-con. with concrete curbing, for city. About $10,000.

Mo., Platte City—Comrs. Platte Co. plan to pave and grade 38 mi. roads. Leslie-Barns Eng. Co., Amer. Natl. Bank Bldg., St. Joseph, engrs.

Tex., Baird—J. R. Black, judge, Callahan Co., rejected only bid received July 14 surfacing 34.85 mi. Highway No. 1, 16 ft wide. About $6000 per mi. Noted July 16.

Tex., Boston—Bowie Co. plans to grade and build concrete drainage structures on 4.77 mi. Highway I-A, known as Cass Co. Rd., 24 ft. wide. About $12,500. Hess & Skinner, Southwestern Life Bldg., Dallas, engrs.

Tex., Comanche—Comanche Co. voted $750,000 bonds to build roads. W. E. Dickerson, Comanche, engr.

Tex., Cuero—Dewitt Co. election Aug. 9 to vote on $1,635,000 bonds to build roads. J. W. Benjamin, Cuero, engr.

Tex., Dallas—City having plans prepared paving Gilbert Ave. from Herschell to Throckmorton Sts., Bowser St. from Knight to Herschell Sts., Ruskin St. from Oak Lawn to Knight Sts., Holland Ave. from Throckmorton to Herschell Sts., bitulithic or 4 in. wood block; Browder St. from Pochontas to Santa Fe Sts., Willomette St. from 12th to 7th Sts., 4 in. wood block or Uvalde rock asphalt. G. D. Fairtrace, city engr.

Tex., Gainesville—Cooke Co. election Aug. 11 to vote on $225,000 bonds to build Era and Valley View Rds. Engineer not selected. H. S. Holman, co. judge.

Tex., Waxahachie—Ellis Co. Rd. Dist. No. 1, election Aug. 23, to vote on $1,500,000 bonds to build hard surfaced roads. Engineer not selected. F. L. Wilson, co. judge.

Okla., Madill—City having plans prepared paving, curbing and guttering 40 blocks. Johnson & Benham, Kansas City, Mo., engrs.

Okla., Ponca City—Kay Co. election Aug. 5 to vote on $1,500,000 bonds to build 130 mi. hard surfaced roads. Total cost, $2,000,000. Federal Government will appropriate $500,000 toward cost.

Idaho—State Highway Comn., Boise, rejected only bids received grading 3.5 mi. Panhandle Highway. About $10,000. Work may be done by day labor.

Idaho, Boise—Ada Co. plans election soon to vote on $1,000,000 bonds to build, improve and hard surface various roads.

Idaho, St. Maries—City soon receives bids building 116,409 sq.ft. cement sidewalks, 5 and 12 ft. wide. About $27,290. M. S. Parker, St. Maries, engr.

Washington — State Highway Comn., Olympia, rejected bids received July 14, paving 4 mi. Walla Walla-Buroka Rd., Walla Walla Co.; grading 7 mi. Olympia Highway, West. Noted July 3.

Wash., Spokane—Spokane Co. voted $2,250,000 bonds to pave roads. A. D. Butler, Spokane, engr. Noted May 15.

Oregon—State plans to build 2.4 mi. Grants Pass-Crescent City Rd., cost $72,500; 10.4 mi. Ochoco Canyon Rd., $188,000; 22.2 mi. Medford-Klamath Falls Sect. of Crater Lake Rd., $246,000; 53.8 mi. McKenzie Pass Highway, $356,000 Federal Government will bear part of cost. H. Nunn, Salem, state highway engr.

Streets and Roads (Continued)

Ore., Roseburg—Douglas Co. soon lets contract grading and graveling 1.57 mi. road, 16 ft. wide. About $10,000. E. H. Lenox, clk.

Ore., Milton—Town of Milton and Freewater having plans prepared paving streets in section of Pendleton-Walla Walla Highway, concrete or asphaltic concrete. B. Breithaupt, Milton, engr. Cost to exceed $10,000.

Ore., Roseburg—Douglas Co. and Federal Government plan to build Tiller-Crater Lake Rd., 18 ft. wide. About $63,000. C. H. Purcell, c/o Bur. Pub. Rd., 628 Post Office Bldg., Portland, engr.

Ore., Sheridan—City soon lets contract paving and resurfacing 10,987 sq.yd. of various streets, involving 3000 sq.yd. macadam, 5237 sq.yd. new macadam, and 2750 sq.yd. asphaltic concrete. About $10,000. E. F. Dack, comr. R. W. Jones, McMinnville, engr.

Ore., Sutherlin—Douglas Co. (Roseburg) soon lets contract regrading and graveling 4 mi. Stephens Schoolhouse, City of Sutherlin Rd., 16 ft. wide. About $10,000. E. H. Lenox, co. clk.

Ore., The Dalles—City voted bonds to pave Upper Union and West 9th Sts., cost $12,000; link from east end of 2nd St. to city limits, $35,000. R. A. Garrow, city engr.

Cal., Bakersfield—City Council soon receives bids for 325,000 sq.ft. asphalt-concrete paving with Warrenite surface, 20,000 sq.ft. concrete gutters, 6000 lin.ft. cement curbs, and 1500 lin.ft. culverts, etc. R. H. Hubbard, city engr.

Cal., Martinez—City trustees soon receive bids paving Escobar St., 24 in. concrete base, wire mesh reinforcement, bitulithic surface, concrete curbs, cement walks, 30 in. c.i. and concrete culverts, etc. About $25,000. P. Farley, city engr.

Cal., Oakland—City soon lets contract improving 87th Ave. Former bids rejected. P. F. Brown, city engr. Noted July 17.

Cal., Petaluma—City Council having plans prepared by W. C. Howe, engr., San Francisco, paving Main and 3rd Sts. About $80,000.

Cal., San Diego—Bd. Supervs. San Diego Co. appointed E. Fletcher, S. Wheaton and F. M. White, all of San Diego, to investigate and report on system of paved highways. About $2,500,000.

Cal., Santa Barbara—City Council receives bids about Sept. 1, improving Figueroa, Anapamu and Castillo Sts. Work involves 4 in. concrete paving with 1½ in. Warrenite surface, cement curbs and concrete gutters. A. B. Cook, city engr.

Cal., Visalia—City having plans prepared paving 2½ mi. streets, concrete with Topeka wearing surface. L. H. Gadsby, city engr.

Cal., Woodland—Yolo Co. election Aug. 26 to vote on $1,000,000 bonds to grade and pave 100 mi. county highways.

Ont., Belleville—City plans to expend $34,392 to build concrete sidewalks. J. W. Holmes, clk.

Ont., Iroquois Falls—City plans to expend $26,600 for curbing and $35,640 for tarvia pavements. J. Hodgson, Iroquois Falls, engr.

Ont., Listowel — City voted $18,000 bonds to build 5 mi. macadam roads.

Ont., Oakville—City plans to build 5 pavements. About $18,000. J. A. Bell & Co., St. Thomas, engrs.

Ont., Pembroke—Renfrew Co. plans election to vote on $225,000 by-law to build macadam roads. W. A. Moore, Pembroke, engr.

Ont., Toronto—City plans to lay 3700 ft. asphalt pavements on Herman, Kennelworth and Oakvale Aves., 24 ft. wide. Work involves 9800 sq.yd. asphalt and 7400 lin.ft. concrete curbing. About $37,000., R. C. Harris, City Hall, engr.

Ont., Toronto—Comr. of Wks. recommended that 2 sections of St. Clair Ave. be paved with brick and section of Logan Ave. with asphalt. About $102,000. Work involves 15,000 sq.yd. vitr. brick and 10,000 sq.yd. asphalt on concrete base. R. C. Harris, City Hall, engr.

BIDS DESIRED

Mass., New Bedford—Until Aug. 4, by city, paving School, 2nd, Brigham, Rotch and Kenyon Sts., 11,622 sq.yd. total length, granite blocks, asphalt, Hassam blocks or Endurite. Cost $25,000.

N. Y., S. I. St. George—Until Aug. 4, by C. D. Van Name, pres. Richmond Boro., repairing with wood block pavement, roadway of Jersey St. from Cleveland St. to Castleton Ave.

N. Y., S. I. St. George—Until Aug 6, by C. D. Van Name, pres. Richmond Boro., constructing concrete curb with steel guard and laying vitr. brick gutter on concrete foundation, where not already done, on Tompkins Ave. from Broad St. to Simonson Ave.; repaving with sheet asphalt and second-hand napped granite block on concrete foundation, roadway of Manor Rd. from Richmond Turnpike to Willow Brook Rd.; also constructing concrete curb with steel guard and laying wood block gutter on concrete foundation, on north side of Richmond Terrace from York to Clinton Aves. and repairing sidewalk in front of 78 Broad St.

N. J., Irvington—Until Aug. 4, by Town Council, paving and curbing Park Pl., involving 7850 sq.yd. paving, 4470 lin.ft. concrete curb, sixty 4 in. sewer connections, 76 lin.ft. radius curb. Bids will be received on asphalt block, bitulithic, concrete, national and asphaltic concrete; also for laying 500 lin.ft. 8 in. sanitary sewer in Lincoln Pl., involving 2 manholes and 1 flush tank.

N. J., Jersey City—Until Aug. 14, by Bd. Freeholders Hudson Co., repairing Paterson Plank Rd., between Central Ave. and Congress St., granite block. About $85,000. T. J. Wasser, Courthouse, engr. Noted July 24.

N. J., Jersey City—Until Aug. 5, by city, improving Stegman St. from Ocean to Garfield Aves., sheet asphalt on concrete base. About $10,000.

N. J., Trenton—Until Aug. 13, by Bd. Freeholders Mercer and Monmouth Counties, Weaver's Hotel, Allentown, improving 41,460 sq.yd. Old York Rd. at Upper Freehold, East Windsor and Millstone Twps., Mercer and Monmouth Counties, gravel surface, 20 ft. wide. About $28,000. G. D. Cooper, Red Bank, and H. Harris, Trenton, engrs.

Pennsylvania—Until Aug. 19, by State Highway Dept., Harrisburg, building roads in Allegheny, Armstrong, Bedford, Bucks, Cambria, Carbon, Chester, Delaware, Fayette, Lackawanna, Wyoming, Lehigh, Luzerne, Lycoming, Mercer, Northampton, Washington and Westmoreland Counties. L. S. Sadler, state highway comr.; advertised in this issue.

Pa., Connellsville—Until Aug. 13, by H. Kisinger, controller Fayette Co., building 7335 ft. concrete road, 18 ft. wide, 1927 ft. concrete foundation and curb with brick wearing surface, to be known as McClellandtown Rd.

Pa., East Brady—T. M. James, clk. city council, receiving bids grading, paving and curbing 3rd St. from Broad to High Sts., High St. from 4th Ave. to Clarion Rd., Clarion Rd. from High to Grant Sts., High St. Extension from Clarion Road to Ferry St., Broad St. from Brady St. to Clarion Rd., Clarion St. from Water to Broad Sts. and Brady St. from Broad St. to rear of Bank Bldg.; also building rein.-con. floor on 2nd St. bridge. Work involves 7700 sq. yd. vitr. brick on 4 in. concrete base, 5600 lin.ft. plain concrete curbing, 3500 cu.yd. earth excav., 450 sq.yd. rein.-con. flooring for bridge, 390 ft. 12 in., 620 ft. 18 in., and 270 ft. 15 in. T. C. pipe and 9 special catch basins. Douglass & McKnight, Columbia Bank Bldg., Poughkeepsie, engrs.

Pa., Mt. Union—Until Aug. 11, by W. F. Eberman, pres. town council, 106 Pennsylvania Ave., paving Pennsylvania, North and South Jefferson, East and West Water, North and South Division, East and West Market and Small Sts., involving 21,400 sq.yd. -vitr. brick on concrete base or 2 course rein.-con. Paving 6000 yd. excav. and 15,000 lin.ft. cement curbing. D. W. Dillman, 80-81 Altoona Trust Bldg., Altoona, engr.

Pa., Williamsburg—Until Aug. 15, by Boro. Council paving and curbing 1 mi. High, 1st and 2nd Sts., vitr. brick or 7 in. 2 course concrete, on concrete foundation. About $40,000. J. Ludenhenry, 528 Walnut St. Hallidaysburg, Pa., engr.

Del., Georgetown—Until Aug. 19, by Sussex Co. Highway Impvt. Comm., building various roads in county. C. M. Upham, c/o State Highway Dept., Dover, engr.; advertised in this issue.

W. Va., Beckley—Until Aug. 5, by Comrs. Raleigh Co. grading and draining 25.4 mi. Town Trap Hill, Shady Springs and Slab Ford Dist., 9 ft. wide. About $200,000. C. L. Scott, Jr., Beckley, engr.

W. Va., Beckley—Until Aug. 5, by Comrs. Raleigh Co. paving 8.5 mi. Giles, Fayette and Kanawha Turnpike, 9 ft. wide, penetration macadam with a 3 ft. broken stone shoulder. County will furnish asphalt. About $90,000. C. L. Scott, Jr., Beckley, engr.

W. Va., Buckhannon—Until Aug. 11, by Comrs. Upshur Co. paving 13 mi. vitr. brick roads, 16 ft. wide, in Buckhannon Dist. About $240,000. W. C. West, Buckhannon, engr.

W. Va., Buckhannon—Until Aug. 11 by Comrs. Upshur Co. building 10.42 mi. 16 ft. cement concrete pavement on certain streets of Buckhannon and 4 main roads radiating from city, involving 97,800 sq.yd. 6-8 in. pavement, 38,000 cu.yd. grading, maximum haul from R.R. siding 1.5 mi., widening street to 28 ft. is contemplated, involving 19,310 sq.yd. additional paving. W. C. West, co. rd. engr. advertised in this issue. Noted Apr. 17.

W. Va., Lewisburg—Until Aug. 5, by Comrs. Greenbrier Co., grading and draining 7 mi. Ft. Springs-Ronceverte Rd., 20 ft. wide. About $70,000. F. K. Rader, Lewisburg, engr.

W. Va., Logan—Until Aug. 12, by Comrs. Logan Co. laying 1.3 mi. Main Rd., 16 ft. wide, concrete. About $25,000. J. W. McClared, Logan, engr.

W. Va., Parsons—Until Aug. 6 by Comrs. Tucker Co. grading 9 mi. Preston County Rd., 20 ft. wide, Davis Dist. also laying cement concrete surface on 2 mi. road. About $50,000. J. J. Taney, Thomas, engr.

W. Va., Ripley—Until Aug. 15, by Comrs. Jackson Co. surfacing 1.06 mi. streets in Ravenswood Twp., 20 ft. wide, involving 3500 cu.yd. excav. and 12,500 sq.yd. cement concrete surfacing, sewers, drains and curbs to be provided by town. About $35,000. T. A. Bragonier, Ripley, engr. Noted July 17.

W. Va., Ripley—Until Aug. 15, by Comrs. Jackson Co. building 5 mi. Ripley-Parkersburg Pike, 20 ft. wide, involving 4100 sq yd. concrete surface and 500 cu.yd. excav. About $13,000. T. A. Bragonier, Ripley, engr. Noted July 24.

W. Va., Wayne—Until Aug. 4, by Comrs. Wayne Co. grading and draining 4 mi. Armilda-Echo Rd., 20 ft. wide. About $25,000. H. A. Levering, Ceredo, engr.

N. C., Duke—Until Aug. 9, by F. M. McKay, secy. Harnett Co., building 18 mi. gravel roads. About $50,000. W. T. Smith, Duke, engr.

N. C., Monroe—Until Aug. 11, by Comrs. Union Co. gravel surfacing 4.2 mi. Wilmington-Asheville Highway, Marshville Twp. and 10 mi. in Vance Twp. Cost $12,000 and $30,000. N. A. Mullis, Monroe, engr.

Ala., Birmingham—Until Aug. 11, by Bd. Jefferson Co. building 5 mi. Mt. Pinson Rd. Project No. 55, between here and Mt. Pinson; 3.88 mi. Old Stouts Rd. Project No. 56, between Birmingham and Fulton Springs; 6 mi. South Bessemer Rd. Project No. 57, between here and Bessemer; 4.54 mi. Lovick and Leeds Rd. Project No. 58; 5 mi. Birmingham and Jasper Rd., Project No. 59, between Pratt City and Adamsville; and 6 mi. Birmingham-Montgomery Rd. Project No. 18, between Birmingham and Shelby county line. W. S. Keller, c/o State Highway Dept., Birmingham, engr.; advertised in this issue.

Ala., Guntersville — Until Aug. 25, by Comrs. Marshall Co., grading, draining and surfacing with macadam 5.6 mi. Guntersville-Huntsville Rd., State Trunk Rd. No. 5, between here and New Hope. Work involves 3 acres clearing and grubbing, 1968 cu.yd. rock excav., 8600 cu.yd. stone surfacing, 4466 lbs. steel reinforcing, 481 cu yd. stone masonry in culverts, 250 sq.yd rip-rap, 27,500 ft. B. M. lumber, and 649 lin.ft. piling. W. S. Keller, c/o State Highway Dept., Montgomery, engr.

Streets and Roads (Continued)

O., Columbus—Until Aug. 5, by G. A. Borden, dir. pub. serv., grading, draining, curbing and paving 980 ft. Stanley Ave. from Heyl Ave. to 22nd St., 26 ft. wide, involving 2220 sq.yd. asphalt, 3100 sq.yd. brick block and 880 ft. gutter, about $19,166; 109 ft. Hood Alley from Sparrow Alley to Parsons Ave., 20 ft. wide, 5225 sq. yd. asphalt, 7650 sq.yd. brick block and 2425 sq.yd. gutter, $3520; 7650 ft. Grant Ave. from 5th to 11th Aves., 24 ft. wide, 5225 sq.yd. asphalt, 7650 sq.yd. brick block and 2425 sq.yd. brick gutter, $42,358; also grading, draining, curbing and repaving 2000 ft. 3rd St. from Livingston to Reinhard Aves., 46½ ft. wide, 13,600 sq.yd. asphalt, 4600 sq.yd. gutter and 700 sq.yd. intersections, $64,560; 940 ft. Monroe Ave. from Broad to Long Sts., 30 ft. wide, 2210 sq.yd. asphalt and 1050 yd. gutter, $11,789; 2860 ft. St. Clair Ave. from Mt. Vernon Ave. to South end of grading, 30 ft. wide, $28,655.

O., Oxford—Until Aug. 15, by village, paving and curbing ½ mi. High St., 33 ft. wide, involving 10,000 sq.yd. vitr. brick and 5200 lin.ft. curbing. About $50,000. L. A. Boulay Co., 1250 Nicholas Bldg., Toledo, engrs. Noted April 3.

O., Toledo—Until Aug. 15, by Comrs. Lucas Co. grading, draining and paving 2.56 mi. Obee Rd. 10 ft. wide, involving 14,900 sq.yd. waterbound macadam, 11,854 cu.yd. excav., cost $21,457; 2.96 mi. Midway Rd., 10 ft. wide, 17,240 sq.yd waterbound macadam, 14,641 cu.yd. excav., $30,298; 1.02 mi. Bury Rd., 16 ft. wide, 9500 waterbound macadam, 3411 cu.yd. excav., $17,752; 1.44 mi. Suder Ave. 16 ft. wide, 13,590 plain concrete, 4437 cu.yd excav., $34,379; 2.01 mi. Seaman St., 16 ft. wide, 18,910 waterbound macadam, 3400 cu.yd. excav., $35,440. C. L. Rood, co. engr.

O., Toledo—Until Aug. 5, by D. H. Goodwillie, serv. dir., paving 7610 ft. Fairmont Park and Ottawa Park additions, 24 ft. wide, involving 17,980 sq.yd. bituminous concrete, 14,990 lin.ft. curbing and guttering, 3161 cu.yd. excav. Bids will be received on sheet asphalt 1 in. binder, 2 in. asphaltic block 1½ in. top and 2½ in. asphaltic concrete. About $90,000. H. C. McClure, city engr.

Michigan—Until Aug. 19, by State Highway Dept., Lansing, grading, surfacing and building drainage structures on 4.014 mi. road, 12 ft. wide, involving 28,257 sq.yd. gravel surface, cost, $33,648, 2.003 mi. road, 12 ft. wide, 14,309 sq.yd. gravel, Isabella Co., $16,302; 5.061 mi. road, 12 ft. wide, 39,579 sq.yd. gravel surface, $53,280, 3.085 mi. road, 12 ft. wide, 21,718 sq. yd. gravel surface, $29,168, Clare Co. F. F. Rogers, comr.

Michigan—Until Aug. 5, by State Highway Comn., Lansing, improving 1 mi. Main St., 16-20 ft. wide, Whittemore Twp. About $20,000. Work includes grading, building drainage structures, surfacing ½ mi. with concrete, and ½ mi. with gravel and involves 4683 sq.yd. gravel and 1155 cu.yd. concrete. F. F. Rogers, comr.

Mich., Bay City—Until Aug. 9, by C. L. Fox, clk. Bay Co., County Bldg., shaping, grading, draining and building culverts on 5 mi. Quanicasse Rd., 5 mi. Midland Rd. and 6 mi. AuSable Rd., 18 ft. wide.

Mich., River Rouge — Until Aug. 5, by R. J. Peters, village clk., 9 South Dearborn Ave., grading and paving with 1 course rein.-con., 6 in. thick with armor plate expansion joints, Henry and Great Lakes Ave., Maple and Pine Sts., 26-30 ft. wide. About $100,000. Noted July 17.

Ill., Belvedere—Until Aug. 4 by Bd. Local Impvts. paving East Madison and Gardner Sts. involving 11,000 sq.yd. 1 course rein.-con. pavement and 6488 ft. curbing.

Ill., Chicago—Until Aug. 4, by Cook Co. Supt. Pub. Serv., paving following highways: State Aid Rd. Work, Niles Twp., Sect. 59-15d, Route No. 1-A, Crawford Ave. beginning at north city limits and extending north to point 2275 ft., 7 in. concrete, 18 ft. roadway with 4 ft. earth shoulders, cost $15,303; Bloom and Rich Twps., Sects. 60-15d and 60-A, Route No. 30, Flossmoor Rd. at intersection with Dixie Highway and extending west to point 3702 ft., 7 in. concrete, 18 ft. roadway with 3½ ft. earth shoulders, $21,622; Norwood Park Twp., Sect. 61-15d, Route No. 9C, Canfield Rd. beginning at south city limits and extending south to point 4512 ft., 7 in. concrete, 18 ft. roadway, 6 ft. earth shoulders, $26,737.

Ill., Edwardsville—Until Aug. 4 by A. O'Leary, engr., City Hall, building Alton Rd. and completing boulevard system throughout city and resurfacing St. Louis Ave. between Collinsville and Southern Belt R. R. tracks, vitr. brick and asphalt. About $186,000.

Ill., North Chicago—Until Aug. 2, by Bd. Local Impvts. paving 14th, South Victoria and South Lincoln Sts., involving 26,000 sq.yd. 2 course rein.-con. pavement and grading and installing drains and manholes.

Ill., Oakwood—Until Aug. 5, by town, building 12,463 ft. concrete or brick road, 10 ft. wide, with 3 ft. rock or gravel shoulder on each side, to include side and lateral ditches, tile drains or other drains, culverts, etc. C. M. Powell, dist. engr.

Wisconsin—Until Aug. 5, by State Highway Comn., Div. No. 8, Spooner, improving Barron-St. Croix Falls Rd., Polk Co., Federal Aid Project No. 22; Hurley-Ashland Rd., Ashland Co., Federal Aid Project No. 45; Spooner-Cumberland Rd., Washburn Co., Federal Aid Project No. 98; Gordon-Minong Rd., Washburn and Douglas Counties, Federal Aid Project No. 99. Noted June 19.

Minn., Appleton—H. Steele, city clk., receiving bids for 21,987 sq.yd. paving, 18 ft. wide. J. W. Shaffer & Co., New York Life Bldg., Minneapolis, engrs.

Minn., Brainerd—Until Aug. 23, by C. W. Mahlum, aud. Crow Wing Co., improving 7.1 mi. Div. C, State Rd. No. 2, Federal Aid Project No. 51, 24 ft. wide, involving 39 acres clearing and grubbing, 46,339 cu.yd. grading, 4950 cu.yd. overhaul, 2200 cu.yd. gravel, etc., cost, $40,000; 3.7 mi. Federal Aid Project No. 73, State Rd. No. 2, 24 ft. wide, 3 acres clearing and grubbing, 19,000 cu.yd. grading, 39,400 sq.yd. concrete paving, 13,000 cu.yd. overhaul, 600 cu.yd. hand ditch, culverts, etc., $90,000. C. L. Molt, Brainerd, engr.

Minn., Duluth—City receiving bids paving Winona St. from Woodland to Allandale Aves. About $11,000. J. A. Farrell, comr.

Minn., Faribault—Until Aug. 19, by F. M. Kaisersatt, aud. Rice Co., improving 5.5 mi. Federal Aid Project No. 77, 24 ft. wide, involving 48,732 cu.yd. excav., 6650 cu.yd. gravel surfacing, culverts, etc., cost, $30,000; 4.3 mi. Federal Aid Project No. 69, 24 ft. wide, 16,823 cu.yd. excav., 5157 cu.yd. gravel surfacing, culverts, etc., $22,000; 4.6 mi. Federal Aid Project No. 68, 24 ft. wide, 33,484 cu.yd. excav., 5600 cu.yd. gravel surfacing, culverts, etc., $25,000. W. P. Chapman, Faribault, engr.

Minn., St. Paul—Until Aug. 4, by H. W. Austin, city purch. agt., grading Juliet, Palace and James Sts., between Underwood and Snelling Aves., Macalester Ave., between Randolph St. and Jefferson Ave., and Carroll St., between Syndicate Ave. and Griggs St. O. Claussen, city engr.

Neb., Beaver City—Until Aug. 12, by M. Disbrow, clk. Furnas Co., grading and building culverts on 19 mi. road from here to Arapahoe Rd., 24 ft. wide, involving 1575 sq.yd. concrete and 148,000 cu.yd. earth excav., etc. About $80,000. G. E. Johnson, c/o State Highway Dept., Lincoln, engr.

Neb., Hastings—Until Aug. 14, by J. A. Cates, clk. Adams Co., grading, paving and building culverts on 11 mi. road from here to Ayr Rd., 24 ft. wide, involving 815 sq.yd. concrete, 88,000 cu.yd. earth excav., cost $55,000; 27 mi. road from Red Cloud to Ayr Rd., 24 ft. wide, involving 223,000 cu. yd. earth excav., $125,000. G. E. Johnson, c/o State Highway Dept., Lincoln, engr.

Neb., McCook—Until Aug. 13, by B. Hafer, clk. Red Willow Co., grading and building culverts on 17 mi. road from here to Bartley Rd., 24 ft. wide, involving 3617 sq.yd. concrete and 139,000 cu.yd. earth excav. About $90,000. G. E. Johnson, c/o State Highway Dept., Lincoln, engr.

Neb., Omaha — Until Aug. 12, by City Council paving Leavenworth St. from 48th to 60th Sts., 30 ft. wide, involving 18,000 sq.yd. brick, asphalt, concrete, asphaltic concrete or creosoted wood block on 6 in. concrete base and 3000 cu.yd. grading. About $70,000. J. A. Bruce, city engr.

Tex., Abilene—Until Aug. 16, by Taylor Co., gravel surfacing and building concrete drainage structures, on 4.69 mi. Highway No. 1, State Aid Project No. 80, involving 18,187 lin.ft. grading, 107 cu.yd. concrete and 14,799 lbs. steel. About $17,220. H. E. Elrod, 505 Interurban Bldg., Dallas, engr.

Tex., Seymour—Until Aug. 4, by Baylor Co., surfacing with caliche or gravel and building concrete drainage structures, on 4.31 mi. Highway No. 30, east and west of Seymour, 16 ft. wide. About $27,000. C. E. Cocke, Seymour, engr. Noted May 22.

Okla., Paul's Valley—City receiving bids paving North Ash St., Charles, Paul and Bert Aves., involving 34,306 sq.yd. concrete, 21,073 lin.ft. curbing, 1950 cu.yd. earth excav., 3320 ft., 15 in. and 4810 ft. 12 in. vitr. sewer pipe, and 40 cu.yd. concrete storm sewers, etc. W. E. Moore, Oklahoma City, engr.

N. M., Las Cruces—Until Aug. 11, by E. R. Korf, town clk., for 15,000 yd. concrete, rein.-con., or bithulithic pavement.

Utah, Providence—Until Aug. 4, by city, building 30,000 lin.ft. concrete sidewalks, 5 ft. wide, and 3000 lin.ft. concrete crossings, 5 ft. wide. T. H. Humphries, Logan, engr.

Wash., Tacoma—Until Aug. 4, by Comrs. Pierce Co., clearing, grubbing and grading Eatonville Highway and Gig Harbor, Longbranch and Purdy Highway.

Oregon—Until Aug. 5, by State Highway Comn., Salem, paving roads in following counties:

Baker Co., Baker-Haines Sect. of Old Oregon Trail, 9.7 mi., 20,000 cu.yd. gravel or waterbound macadam, 31,000 cu.yd. mixed excav.

Benton Co., Corvallis & South Section of West Side Highway, 8 mi., paving with concrete or asphaltic concrete; concrete paver or railroad asphalt plant to be furnished by State Highway Comn.

Clatsop Co., Seaside-Astoria Sect. of Columbia River Highway, 14.8 mi., grading and paving with concrete or asphaltic concrete, 10,000 cu.yd. common excav.

Columbia Co., Rainier City Sect. of Columbia River Highway, 14.8 mi., grading and paving, 33,000 cu.yd. barrow, 8000 cu. yd. excav.

Deschutes Co., Jefferson County Line-Bend Sect. of The Dalles-California Highway, 23.9 mi., 61,000 cu.yd. excav.

Douglas Co., Yoncalla Sect. of Pacific Highway, 8.5 mi., 17,700 cu.yd. gravel or waterbound macadam, 10,000 cu.yd. common excav.

Wilbur-Roseburg Sect., Pacific Highway, 5.3 mi., 11,000 cu.yd. macadam.

Myrtle Creek-Canyonville Sect. of Pacific Highway, 9.8 mi., 78,000 cu.yd. common excav.

Galesville-Canyonville Sect. of Pacific Highway, 11.1 mi., 18,000 cu.yd. macadam.

Josephine Co., Wolf Creek and Stage Pass Sect. of Pacific Highway, 4.5 mi., 9500 cu.yd. macadam.

Lane Co., Cottage Grove-Walker Rd., 3 mi., 6300 cu.yd. gravel or waterbound macadam.

Douglas Co. Line-Divide Sect. of Pacific Highway, 1.4 mi., 2800 cu.yd. gravel macadam.

Marion Co., Salem-Brooks Sect. of Pacific Highway, 4.2 mi., paving with concrete; concrete paver furnished by State Highway Comn.

Umatilla Co., Milton-Athena Sect. of Oregon-Washington Highway, 11.8 mi., paving with concrete.

Union Co., Lone Pine-Hot Lake Sect. of Old Oregon Trail, 3.9 mi., 8000 cu.yd. gravel or waterbound macadam.

Wasco Co., Three Mile—The Dalles Sect. of The Dalles—California Highway, 2 mi. paving with concrete or asphaltic concrete.

Wheeler Co., Butte Creek Sect. of John Day Highway, 9.5 mi., 40,000 yd. common excav.

Yamhill Co., Gaston-Yamhill Sect. of Forest Grove—McMinnville Highway, 7.9 mi., 16,500 cu.yd. macadam, 29,000 cu.yd. common excav.

State will furnish 3¼ ton trucks on these projects, at $3.50 per hour, including driver. H. Nunn, state highway eng.

Streets and Roads (Continued)

California—Until Aug. 4, by State Highway Comn., Sacramento, building 9.4 mi. road between westerly boundary Lake Co. and Lakeport, involving 104,600 cu.yd. excav., 300 cu.yd. class "A" Portland cement, etc. A. B. Fletcher, state highway engr.

Cal., Santa Barbara—Until Aug. 7, by City Council, improving Quarantina St. between Victoria and Sola Sts. Work involves grading, 5 in. concrete paving, cement curbs, concrete gutters and 6 in. vitr. pipe sewer connections. A. B. Cook, city engr. Noted Jan. 16.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

New York—State Highway Comn., Capitol, Albany, received bids July 22, improving roads in following counties: (a) Cattaraugus Co., 4.6 mi. Bradford-Carrolton, Part 1, Rd. No. 8007;

(b1) Chenango Co., 4.78 mi. Rockwell Mills-South New Berlin, Rd. No. 1497, (b2) 5.57 mi. Greene-Oxford, Part 1, Rd. No. 8001, (b3) 5.87 mi. Greene-Oxford, Part 2, Rd. No. 8002;

(c) Onondago Co., .27 mi. Solvay-State Fair-Syracuse, Rd. No. 1353A;

(d) Suffolk Co., 3.85 mi. Smithtown-Fort Salonga, Part 1, Rd. No. 1048A; completing roads in following counties: (e) Cayuga Co., 8 mi. Auburn-Weedsport, Rd. No. 1317;

(f) Chautauqua Co., 3.9 mi. Fredonia-South Dayton, Part 3, Rd. No. 1381;

(g) Chenango Co., 7.09 mi. Norwich-South New Berlin, Part 2 and South New Berlin-New Berlin, Part 1, Rd. No. 1394;

(h) Franklin Co., 10.36 mi. Malone-Chateaugay, Rd. No. 5613;

(i) Niagara Co., 7.79 mi. Youngstown-Lockport, Part 1, Rd. No. 800;

(j) Oswego Co., 6.36 mi. Sandy Creek-Smartville, Rd. No. 1428;

(k1) Saratoga Co., 6.1 mi. Rexford Flats-Wait Corners-Groom Corners, Rd. No. 1117, (k2) 5.74 mi. Mechanicsville-Clifton Park, Rd. No. 1345;

(l) Seneca Co., 4.89 mi. Waterloo-Burns Corners, Rd. No. 1400; repairing roads in following counties: (m) Alleghany, Schuyler and Steuben Counties, Repair No. 1231;

(n) Oswego Co., Rd. Nos. 5251 and 5276, Repair No. 1215;

(o) Suffolk Co., Rd. No. 743, Repair No. 1210; also completing repair roads in following counties: (p) Chenango Co., Rd. No. 664, Repair No. 1024;

(q) Cortland Co., Rd. Nos. 380 and 381, Repair No. 1037, from

L. H. Gipp, 787 Richmond Ave., Buffalo, (a) $154,358;

Fure & Cote, Olean, (a) $158,953;

J. F. Stabell Co., 1127 Niagara St., Buffalo, (a) $161,647, (b2) $202,146, (b3) $213,905;

Morrison & Quinn, Inc., Cutler Bldg., Rochester, (a) $161,704, (b2) $202,717, (b3) $216,295;

Paddleford & King, Sherburne, (b1) $120,594, (g) $104,189;

Newport Constr. Co., 200 North Main St., Herkimer, (b1) $143,483;

J. J. Guinan Contg. Co., 2314 Gravesend Ave., Brooklyn, (b2) $205,327;

Brown & Lowe Co. & Low Bros., Foster Ave., Schenectady, (b2) $245,920, (b3) $252,571;

J. D. Burt, Buffalo, (c) $19,417;

Munde Constr. Co., Inc., Syracuse, (c) $20,245;

Universal Steel Export Co., Inc., 26 Court St., New York City, (d) $82,067;

J. J. McDermott, Port Washington, (d) $85,124;

E. F. Monahan, Manhattan Beach, (d) $88,261;

Brayer Bros., North St., Auburn, (e) $6303;

Rosoff Eng. Co., 15 Park Row, New York City, (f) $87,111;

M. Dolan, Jamestown, (f) $87,747;

Greenfield Constr. Co., 89 Main St., Hornell, (f) $89,266, (q) $20,597;

W. T. Thayer & Co., East Main St., Chateaugay, (h) $65,446;

F. J. Mumm Contg. Co., Inc., 176 Best St., Buffalo, (i) $214,515;

W. O. Rich, Youngstown, (i) $207,311;

Pub. Serv. Contg. Co., Niagara Falls, (i) $213,365;

A. J. Rockwood, 51 Rutgers St., Rochester, (j) $86,222;

J. B. Dower, Ballston Spa, (k1) $88,299; Harradine Bros., Inc., Spencerport, (k2) $33,231;

H. A. Schaup, Inc., Albany, (k2) $33,948;

E. W. Foley Contg. Corp., New York City, (l) $118,266 and $123,358;

M. E. Soper, Seneca Falls, (l) $125,351;

H. A. Murphy, Albany, (m) $29,251;

J. J. Crouch, Rochester, (m) $30,452;

Lane Constr. Corp., 37 Colony St., Meriden, Conn., (n) $40,304, (q) $21,290;

L. D. Sullivan, 17 Scott St., Utica, (n) $41,457;

Fleming, O'Brien & McIntegart, Inc., 401 West 59th St., New York City, (o) $82,343;

C. D. Schlemmer, Islip, (o) $83,055;

Clements Contg. Co., 1195 Spofford St., New York City, (o) $87,001;

F. D. Griffin, 18 Pleasant St., Norwich, (p) $30,353;

N. E. Young, Union, (p) $30,986;

T. F. Murray, Leroy, (p) $31,458;

McGreevy, McGuigan & Baum Constr. Co., Robinson Bldg., Elmire, (q) $18,964;

Pearl Investing Co., Inc., Albany, (q) $21,046. Noted July 10.

N. Y., Brooklyn—E. Riegelmann, boro. pres., received bids July 16, regulating and grading (a) 39th St., (b) West 11th St., (c) 87th St., regulating and repaving (d) 39th St., (e) President St., (f) Snediker Ave., (g) Woodbine St., (h) Washington St., regulating and restoring, (i) Ocean Ave., from C. A. Myers, (a) $2040, (h) $50,082; (i) $8329; Grimm Constr. Co., 460 Herald Ave., Richmond Hill, (a) $2140; C. Gallagher, (a) $2610; Sicilian Asphalt Paving Co., 41 Park Row, New York City, (d) $8071, (e) $20,803, (f) $8548, (g) $9782; Uvalde Asphalt Paving Co., 1 Bway., New York City, (d) $8264, (e) $21,194, (f) $8749, (g) $10,026; Cranford Co., 52 9th St., (d) $8641, (e) $22,042, (f) $8799, (g) $10,079; Brooklyn Alcatraz Paving Co., 407 Hamburg Ave., (d) $8520, (e) $21,782, (f) $8760, (g) $10,084; Annarock Eng. Co., (b) $2695; B. Turacamo, (b) $4274; L. Mangerie, (b) $4382, (c) $3331; M. A. Caponi, 1320 65th St., (c) $3442; M. Sanzo, (c) $4046; J. Ryan, (i) $5225; Scott & Kurth, (i) $6684; Leonard Paving Co., 233 Bway., New York City, (h) $48,597; F. J. Gallagher, (h) $49,722; M. J. O'Hara, (h) $49,989. Noted July 10.

N. Y., Buffalo—City received bids repaving (a) 4957 sq.yd. River St., 42 ft. wide; (b) 6935 sq.yd. Lathrop St., 30 ft. wide; (c) 1114 sq.yd. Pennsylvania Ave., 32 ft. wide; (d) 2639 sq.yd. Ross Ave., 24 ft. wide; (e) 2027 sq.yd. Stevens St., 26 ft. wide; (f) 2556 sq.yd. Poultney St., 26 ft. wide; (g) 3504 sq.yd. Fay St., 26 ft. wide; (h) 734 ft. Armin Pl., 26 ft. wide; (i) 2756 sq.yd. Crescent Ave., 26 ft. wide, all on concrete base, (1) Medina block (2) asphalt, (3) brick, from H. P. Burgard Co., 1968 Fillmore Ave., (a1) $32,220, (a2) $24,685, (b2) $32,870, (c2) $6350, (d2) $15,165, (e2) $11,235, (f2) $14,415, (g2) $17,320, (h2) $11,140; Rock Asphalt & Constr. Co., Morgan Bldg., (a2) $23,694, (b1) $45,562, (c2) $6235, (d2) $14,575, (e2) $10,954, (f2) $14,089, (g2) $17,972, (h2) $10,867, (i2) $25,440; Erie Contg. Co., Morgan Bldg., (b3) $35,000, (d3) $14,300, (e3) $10,790, (f3) $13,875, (g3) $18,975, (h3) $10,990, (i3, $28,700). Noted June 12.

★N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., let contract regulating and repaving 13th and Main Sts., to Feace Bros., 20 Main St., Flushing, $37,652 and $21,681 respectively. Jackson Ave. from Bridge Plaza to Thompson Ave., Jackson Ave., from Bridge Plaza to 2nd Ave. and Jackson Ave. from 2nd Ave to Old Newton Rd., to F. J. Mason, $20,700, $17,860 and $60,040 respectively. Noted July 3.

★N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., let contract regulating, grading, curbing and laying sidewalks on 93rd Ave., to R. A. Hess, Inc., $2247; Olmstead Pl., to Scott & Kurth, $3309; 16th Ave. and Hancock St., to Sicilian Asphalt Paving Co., 41 Park Row, $5783 and $4955 respectively. Noted July 10.

★N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., let contracts regulating and repaving with sheet asphalt, Edison Pl., Trowbridge and Silver Sts., to Uvalde Asphalt Paving Co., 1 Bway., New York City, $7471, $7185 and $7675 respectively; Lotus Ave., to Sicilian Asphalt Paving Co., 41 Park Row, New York City, $15,899; Summerfield St., to Hastings Paving Co., 25 Broad St., New York City, $41,795; 109th St., to R. A. Hess, $2291; Queens Rd., to Welsch Bros., $11,245; Edison Pl., to C. A. Myers, $1443. Noted July 24.

N. Y., New York—F. L. Dowling, pres. Manhattan Boro., received bids July 21, regulating and repaving with granite block on concrete foundation, roadway of Mail St., from M. L. Sachs, $15,072; Asphalt Constr. Co., 2197 Madison Ave., $15,258; P. J. Kearns, 2306 Creston Ave., $15,971 Noted July 17.

★N. Y., Rome—Bd. Pub. Wks. let contract to Warren Bros. Co., paving Bloomfield St., $8261; Jay St., $7735; William St., $7735; Court St. from Kossuth to Expense Sts., $3141, and Court St. from Kossuth to Bridge Sts., $3307; Ridge St., $6973; Elm St., $11,164. Noted July 17.

★N. Y., St. Johnsville—Village let contract paving Hough and South Division Sts., to Roberts & Co., Utica. About $16,400. Noted April 24.

★N. Y., Salamanca—Common Council let contract paving Kent and Front Aves., High, Washington and Linden Sts., to Morgan & Bock, Olean. About $90,000. Noted June 19.

★N. Y., Seneca Falls—Village will pave Clinton St. and several others, concrete. About $56,000. Work will be done by day labor. Noted April 10.

★N. J. Elizabeth—City let contract paving Elizabeth Ave. from 7th to Front Sts., to Newark Paving Co., 133 1st St., Newark, $211,378.

★N. J., Hackensack—Bd. Freeholders Bergen Co. let contract improving 4.63 mi. Paterson Plank Rd., to J. E. Doudon, New York City. About $150,000. Noted June 12.

★N. J., Jersey City—City let contract paving Jackson Ave., asphalt, to W. T. S. Crichfield, Washington St., Hoboken. About $10,000, cost plus percentage basis.

N. J., Jersey City—Comrs. Essex Co. received lowest bid repairing Lincoln Highway, from R. Enner, 190 Nesbit St., Weehawken, $10,000. Noted July 3.

N. J., Jersey City—Hudson Co. Blvd Comn. received bids repairing Hudson Co. Blvd. between Paterson Plank Rd. and Hackensack Plank Rd., from Clinton Contg. Co., West Hoboken, 88 per cent. engineers' estimate, or $132,000; W. T. S. Crichfield, Washington St., Hoboken, 89½ per cent.; Curtin Bros., Guttenberg 98 per cent. Engineers estimate $150,000. Noted July 10.

★N. J., North Bergen—Town let contract improving Hill St., to E. Hornung, West Hoboken, $11,000. Noted Jan. 9.

N. J., Trenton—Comrs. Mercer Co. received only bid paving 4100 sq.yd. Sullivan Way, Bridge St. and Riverside Ave., asphalt, from J. J. Barrett, 147 Lafayette Ave., $28,716.

★Pennsylvania—State Highway Dept., Harrisburg, let contract building 30,335 lin. ft. rein.-con. roadway, in North Milford and Bridgewater Twps., Susquehanna Co., to M. Stipp & Son, 435 Moir Court, Scranton, $223,673. Noted July 17.

Pa., Harrisburg—City received bid laying 16,334 sq.yd. asphalt pavement and 11,017 lin.ft. granite curbing, from Central Constr. Corp., Commonwealth Trust Bldg., $54,569 and $17,352 respectively.

★Pa., Palmerton—Boro. let contract improving Delaware Ave. with rein.-con. and slag sub-base, to S. L. Cyphers, South Bethlehem, $109,153. Noted July 17.

Pa., Pittsburgh—Allegheny Co., received bids paving between tracks 2540 ft. Glass and West Run Rds., in Homestead and Hays Boros., 14 ft. wide, involving 4900 sq.yd. Ligonier block stone, from McCrady Bros., Braddock, $31,966; Booth & Flynn, 1942 Forbes St., $31,703; T. Cronin Co., South 17th and Muriel Sts., brick, $34,288 asphaltic concrete, $30,125.

Pa., Pittsburgh—Allegheny Co. received bids paving 2800 ft. Bower Hill Rd. in Mt. Lebanon Twp., involving 5500 sq.yd. asphaltic concrete surface, 1950 sq.yd. Hillside vitr. brick or 7500 sq.yd. vitr. brick, 3850 sq.yd. integral raised curb and 2000 cu.yd. earth excav., (1) brick, (2) asphaltic concrete, from T. Cronin Co., South 17th and Muriel Sts., (1) $34,288; (2) $30,125;

Streets and Roads (Continued)

J. B. Reed Co., 550 Bway., (1) $35,279, (2) $39,014; S. Gamble Co., Oliver Bldg., (1) $39,858, (2) $33,002; M. O'Herron Co., 1st and McKean Sts., (1) $36,977, (2) $32,288; Columbus Asphalt Paving Co., (1) $38,670, (2) $30,590; McDonough & O'Toole, (1) $41,755; F. Donatelli, 334 South Lang St., (1) $35,352, (2) $34,244; also building 15,350 ft. Meridian and Gibsonia Rd. in Richland and McCandless Twps., involving 20,700 sq.yd. rein.-con., 5900 sq.yd. concrete foundation and shoulder, 9650 lin.ft. 6 in. underdrain, 23,500 cu. yd. earth excav., and 11,000 cu.yd. fill, from McLaughlin Constr. Co., Germania Bank Bldg., $128,812; M. O'Herron Co., $132,236; D. W. Challis & Sons, 420 Centennial St., Sewickley, $134,104.

★**W. Va., Benwood**—City let contract for ½ mi. vitr. brick pavement on concrete base, to P. J. Gilligan, Wheeling, $2.40 per sq.yd. About $10,000.

W. Va., Lewisburg—Comrs. Greenbrier Co. will lay 19,200 sq.yd. penetration macadam on James River and Kanawha Turnpike, 16 ft. wide. About $30,000. Work will be done by day labor. Noted May 22.

★**W. Va., Lewisburg**—Greenbrier Co. let contract surfacing 2 mi. road in Lewisburg Dist. to Doughner & Johnson, Ronceverte, $1.46 per sq.yd.

★**W. Va., Princeton**—Comrs. Mercer Co. will resurface 4.7 mi. Princeton-Athens and Princeton-Bluefield Rds., 16 ft. wide. About $28,000. Work will be done by day labor. Noted July 17.

★**N. C., Morganton**—City let contract paving Sterling, Greene, White and East Union Sts., Buckemmet and Valdese Aves., to Prudden & Co., 1907 2nd Natl. Bank Bldg., Toledo. $77,765.

★**Ga., Brunswick**—City let contract for 53,000 yd. brick pavement, to Georgia Eng. Co., Montgomery Bldg., Augusta, $2.53 per yd.; 52,000 yd. asphaltic concrete pavement, to Atlantic Bitulithic Co., Virginia Ry. & Power Bldg., Richmond, Va., $2.54 per yd. Noted June 12.

★**Ga., Brunswick**—Glynn Co. received bids paving 4.4 mi. Federal aid highway from city line to picric acid plant, from Smith Constr. Co., Forsyth Bldg., Atlanta, $95,000, Atlantic Bitulithic Co., Virginia Ry. & Power Bldg., Richmond, Va., $112,000. Noted June 12.

★**Ohio**—State Highway Comn., Columbus, let contract building roads in following counties:

Coshocton Co., Sect. "C-2", Newark-Coshocton Rd., 2.04 mi., grading, constructing bridges and culverts and paving with brick, to Dunsweiler Constr. Co., Zanesville, $76,585.

Franklin Co., Sect. "M", Columbus-Sandusky Rd., 0.72 mi., grading and paving with brick on concrete base to A. W. Burns, 55 East State St., Columbus, $27,307.

Sect. "O", Columbus-Sandusky Rd., 0.76 mi., grading and paving with brick on concrete base to A. W. Burns, 55 East State St., Columbus, $28,390.

Geauga Co., Sects. "T", "U", and "V-1", Chagrin Falls-Greenville Rd., 8.17 mi., grading, constructing bridges and culverts and paving with concrete to W. S. Newhall Co., Citizens Bldg., Cleveland, $305,174.

Miami Co., Sect. "D", Dayton-Covington Rd., 3.59 mi., grading, constructing bridges and culverts and paving with rein.-con. to Swank Engineering Co., Dayton, $96,509.

Sect. "H", Piqua-Urbana Rd., 0.53 mi., grading, constructing drainage structures and paving with rein-con. to Burke Bros. Constr. Co., Anderson, Ind., $15,661. Noted July 24.

★**Ohio** — State Highway Comn., Columbus, let contract building roads in following counties:

Henry Co., Sect. "A", Ottawa-Napoleon Rd., 3.01 mi., grading, constructing bridges and culverts and paving with waterbound macadam, to P. G. Watson, Malinta, O., $66,382.

Trumbull Co., Sect. "C", Warren-Burton Rd., 2.21 mi., grading, constructing bridges and culverts and paving with bituminous macadam, to Seiple & Wolf Co., Youngstown, $73,771.

Sect. "D", Warren-Burton Rd., 3 mi., grading, constructing bridges and culverts and paving with bituminous macadam to Seiple & Wolf Co., Youngstown, O., $111,317. Noted July 17.

★**O., Brookville**—City let contract paving 8100 sq.yd. Pyrmont St., sheet asphalt, on 5 in. concrete base, to V. Wroe, 606 Union Bank Bldg., Dayton. About $27,995.

★**O., Toledo**—City let contract repaving 1625 ft. Bancroft St., from Vermont to Cherry Sts., 36 ft. wide, to Russell & Jennison Co., 2463 Bway., $32,768. Noted May 29.

★**O., Toledo**—City let contract asphalt paving 4190 ft. Hudson St., from Lagrange to Stickrey Sts., 24 ft. wide, involving 7172 cu.yd. excav., to H. P. Streicher Co., 319 Terminal Bldg., $63,173.

★**Mich., Orion** — City let contract grading, widening and paving with concrete 1 mi. Orion Rd., 18-31 ft. wide, to P. M. Lau, Pontiac, $81,000.

★**Mich., Pontiac**—Comrs. Oakland Co. let contract grading and surfacing with gravel 2 mi. Addison-Oakland Townline, 9 ft. wide, to P. C. Raymond, Pontiac, $17,787.

Mich., Port Huron—Comrs. St. Clair Co. received bids building 4.5 mi. Harris Rd. from Jeddo to Lake Shore Rd., Assessment Rd. Dist. No. 5, gravel, from E. Wilton, Port Huron, roads, culverts and bridges complete, $81,507, road only, less bridge and culverts, $72,978, road only, less gravel (to be furnished by county), $46,080; 6¾ mi. Lynn-Mussey Rd., Assessment Dist. Rd. No. 22, 9 ft. gravel with 2 bridges, culverts, etc., from H. Campbell, Goodells, road only, less bridges, culverts and gravel, $70,585; J. H. Baer, Port Huron, Bridge No. 1, $17,674, Bridge No. 2, $13,619, both rein.-con., culverts complete, $35,716; 2¼ mi. gravel road in Lynn Twp., involving culverts, etc., from W. Burns, Port Huron, $25,600, Campbell & Teetbel, Goodells, $26,221, Welsh & Williams, Port Huron, $27,185.

★**Ill., Chicago**—Forest Preserve Dist., Cook Co., Cook Co. Bldg., let contract paving Carpenter Rd., Niles Twp., to A. Jaicks, River Forest, $25,774. Work involves 9250 sq.yd. 7 in. concrete, 18 ft. roadway, 5140 sq.yd. earth shoulders, 3518 cu.yd. excav., etc. Noted July 10.

Ill., Chicago—See "Sewers."

Wis., Sheboygan—City received only bid grading and paving 2.7 mi. Martin Ave. from North 15th St. to Calumet Dr., 20 ft. wide, from Pestien & Nauman, North 15th St., $2.31 yd. Work involves 8500 sq.yd. concrete, 4400 lin.ft. concrete curb and gutter. Noted July 17.

Wis., Sheboygan—City received only bid grading and paving 1.8 mi. St. Clair Ave., 20 ft. wide, from Pestien & Nauman, North 15th St., $2.18 per yd., total $21,980. Work involves 7000 sq.yd. 2 course concrete, 2480 lin.ft. concrete curb and gutter. Noted July 3.

★**Minn., Mantorville**—G. L. Taylor, aud. Dodge Co., let contract grading and graveling 12 mi. Federal Aid Project No. 66, State Rd. No. 1, Job No. 1802, 24 ft. wide, to Fulton & Nelson, Minneapolis. About $85,000. Noted July 3.

★**Minn., Pipestone**—Comrs. Pipestone Co. let contract graveling 5 mi. Job. No. 1905, State Rd. No. 4, to J. P. Pedersen, Ruthton, $6850; grading and graveling Job No. 1904, State Rd. No. 6, to Rodgers & Curtis, Globe Bldg., Minneapolis, $40,000. Noted June 19.

★**Minn., Virginia**—City let contract improving 14th, 15th and 16th Sts., 7th, 8th and 9th Aves., to Lawrence-McCann Co., Eveleth, $42,503.

★**Neb., Lincoln**—City let contract paving 16th, 19th and Park Sts., to Abel Constr. Co., 318-19 Terminal Bldg., $29,892; 24th, 31st, N. and Dudley Sts., to Burke Cochrane Co., 522 1st National Bank Bldg., $28,584. Noted July 10.

★**Mo., St. Louis**—City let contract building parkway, curb and granitoid cross walks on King's Highway from Natural Bridge to Penrose Park northeast to West Florrisant Ave., to R. G. Mincke, 4059 McRee Ave. About $10,064.

★**N. M., Albuquerque**—City let contract to El Paso Bitulithic Co., Alameda and Texas Ave., El Paso, paving 60 streets involving 25,990 sq.yd. bitulithic on 5 in. concrete base at $2.65 per sq.yd., [illegible] alleys with 6 in. concrete, $2.50 [illegible] sq.yd. Noted May 29.

★**N. M., Gallup**—City let contract for 15,000 sq.yd. concrete pavement, to S. P. Gillis Constr. Co., Arizona. About $[illegible]

★**Utah, Brigham**—City let contract for 15,000 lin.ft. 2 in. bitulithic pavement on 6 in. crushed rock base, to Gibbons & Reed Co., Kearns Bldg., Salt Lake City, $[illegible]

★**Ariz., Tombstone**—City let contract grading and graveling 3 mi. road across Willcox Lake, to J. Rock and J. S. Chamberlain, Tombstone, $1.90 per cu.yd. About $[illegible]

★**Washington** — State Highway Comn., Olympia, let contracts paving 4.3 mi. Vancouver-Fischers Rd., involving 56,[illegible] sq.yd. concrete, to Pacific Bridge Co., foot of Salmon St., Portland, $128,913; 5.6 mi. Granger-Sunnyside Rd., Yakima Co., to Savage & Cornell, Yakima, $143,965. Noted July 3.

Wash., Seattle—City received bids July 18, paving Harbor Ave., S. W., involving 14,600 sq.yd. 7 in. concrete, 17,000 cu.yd. earthwork and grading, from Independent Asphalt Paving Co., Seaboard Bldg., $76,615; J. L. Smith, Seattle, $78,856; Fiorito Bros., Seattle, $79,813.

Wash., Seattle—Comrs. King Co. received bids July 14, building 3.27 mi. Bellevue-Newport Rd., 24 ft. wide, from Hanson & Hauge, $76,800; J. W. Hoover Co., $89,047; H. Pederson, $89,250. All contractors from Seattle. Noted July 3.

★**Wash., Sedro Woolley**—City Council let contract laying concrete sidewalks, to J. H. Steele, Sedro Woolley, $19,563.

Wash., Vancouver—City received bids paving (a) 4th Plain Ave., (b) Daniels St., concrete, from Warren Constr. Co., Journal Bldg., Portland, (a) $25,236, (b) $3763; United Contg. Co., Northwestern Bank Bldg., Portland, (a) $24,986, (b) $3657.

★**Ore., North Bend**—City let contract paving Sherman St., asphaltic concrete, concrete curbing, concrete sidewalk, to Scandie Contg. Co., North Bend, $17,987. Noted June 5.

Ore., Portland—City received bids July 16, paving (a) Clatsop Ave., (b) Linn Ave., (c) East 20th St., (d) 72nd St., (1) asphaltic concrete No. 1 on crushed rock base, (2) 2 in. crushed rock base, (3) concrete No. 1 on crushed rock macadam, from Warren Constr. Co., Journal Bldg., (a1) $1.34 per sq-yd., (a2) $0.64, total cost, $13,640, (b1) $1.34, (b2) $0.64, $14,589, (c) $30,578; Cochran Bros., Portland, (a1) $2.07, $13,644, (b1) $2.07, $14,520, (d3) $2.25 per sq.yd., $51,084. Noted July 24.

Cal., Newport Beach—City trustees received bids paving 28th, 30th and 31st Sts., involving 67,450 sq.ft. 5 in. concrete, from E. Scheilling, 4318 Figueroa St., Los Angeles, $14,839; Rogers Bros., Hibernian Bldg., Los Angeles, $17,402.

★**Cal., Oakland**—City let contract improving 86th Ave., to P. A. Belser, 625 Market St., San Francisco, $14,980. Noted July 17.

★**Cal., Oakland**—City let contract improving Hoplins, East 37th, Kingsley and Emerson Sts., to Bates & Borland, Bway and 12th St., $12,538. Noted June 26.

★**Cal., San Bernardino**—Bd. Supervs. San Bernardino Co. let contract grading, curbing and paving with 4 in. concrete 2½ mi. Hermosa Ave., et al, Impvt. Dist. No. 7, to R. T. Shea & Co., Riverside, $54,740.

★**Cal., Stockton**—Bd. Supervs. San Joaquin Co. let contract building 8 mi. Germinous Rd., 4 mi. waterbound and 4 mi. oil macadam, to C. Moreing, Commercial & Savings Bank Bldg., $69,400.

★**Sask., Saskatoon**—City let contract paving 1902 ft. Saskatchewan Crescent from Traffic Bridge to existing pavement on Saskatchewan Crescent, South, at Lorne Ave., to Bitulithic Co., Ltd., Saskatoon, pavement, $4.10 per sq.yd., concrete gutter, $.45 per sq.ft., concrete curb and gutter, $1.10. Noted June 12.

Railways

PROPOSED WORK

West Virginia—D. E. Hewitt, 1st Natl. Bank Bldg., Huntington, and others, soon receive bids building 1½ mi. standard gage railway from man to timber operations. Engineer not selected.

Railways (Continued)

Alabama—Southern Ry., 18th and Powell Sts., Birmingham, plans to build railroad yard in Birmingham, extending from 32nd St. to 51st St. and from 1st Ave. to Seaboard Air Line tracks. Plans include rein.-con. roundhouse capable of accommodating 100 engines and construction of subway at 41st or Spring Sts. About $4,000,000. R. W. Williams, dist. engr.

Michigan—See "Miscellaneous" under Detroit.

California—H. N. Savage, city hydraulic engr., of San Diego, has arranged with San Diego & Arizona Ry., Spreckles Bldg., San Diego, to build long spur track to Barrett dam site near San Diego. E. J. Kallright, ch. engr.

California—Western Pacific R. R., Mills Bldg., San Francisco, having survey made for branch line from Turlock to Madera, about 50 mi. T. J. Wyche, ch. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Kentucky—Big Sandy & Eastern Kentucky Ry., Ashland, received bid building and grading 7 mi. line, including 740 ft. tunnel, from N. K Sneed, 418 1st Natl. Bank Bldg., Huntington.

Excavation and Dredging

PROPOSED WORK

Minn., Moorhead—Ditches—Comrs. Clay Co. having plans prepared by E. Martinson, engr., Moorhead, digging Co. Ditch No. 42 and repairing Co. Ditch No. 30. About $25,000.

Mont., Columbus — Drainage—Stillwater Co. rejected bids received July 20, building lake drain. Work will soon be readvertised. H. C. Rothwell, Columbus, engr. Noted July 10.

Utah, American Fork—Irrigation—Lehi Irrigation Co. and cities of American Fork and Pleasant Grove having plans prepared for dam and division wier to be used to divide water for the municipalities from here, to Pleasant Grove. About $10,000 Caldwell & Richards, Vermont Bldg., Salt Lake City, engrs.

Utah, Salt Lake City—Irrigation Dam—Bates Reservoir Co. having preliminary plans prepared for multiple arch dam, 75 ft. high, to impound 20,000 acre ft. water. About $200,000.

Ore., Klamath Falls—Irrigation—Walker Basin Irrigation Co. and State Desert Land Bd. having plans prepared irrigating and draining 17,000 acres in Klamath and Deschutes Counties. About $50,000. Address F. Tomes, La Pine.

Ore., Vale—Irrigation — Warm Springs Irrigation Co. plans to sell $400,000 bonds Aug. 5 to complete irrigation system. Work includes building 10 canals, laterals and flumes for irrigation of 29,000 acres in Malheur Co., concrete arched dam, 100 ft. high across middle fork Malheur River, 6 mi. above Riverside, and reservoir 170,000 acre ft. capacity or sufficient to irrigate 40,000 acres. J. Lewis, Vale, engr.

BIDS DESIRED

Pa., Phila.—Dredging—Until Aug. 7, by city, dredging high spots in Schuylkill River near Fairmount Park. About $25,000. A. Corson, Room 127, City Hall, engr.

Mich., Lansing—Drainage—See "Streets & Roads" under Michigan.

Minn., Faribault—See "Streets and Roads."

Minn., Tower—Dredging—Until Aug. 5, by W. H. Borgen, aud. St. Louis Co., (Duluth) dredging 500 lin. ft. channel to depth of 8 ft. below water line, 5000 lin. ft. pipe protection and 27,911 cu.yd. excav., near East Two Rivers. R. W. Acton, co. engr.

Cal., Sacramento — See "Streets and Roads" under Sacramento.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Ia., Marshalltown—Excavation—Comrs. Marshall Co. let contract straightening 14 mi. Iowa River, involving 1,400,000 yd. floating dredgework, to Pollard & Campbell, 348 Brandeis Theatre Bldg., Omaha, Neb., $11.5 per yd.; total cost, $161,000.

Wash., Seattle—Drainage—Comrs. King Co. let contract building Impvt. D. D. No. 7, including main ditch and laterals, to Chamberlain Constr. Co., Seattle, $18,436. Work involves 42,650 cu.yd. earth excav.

★Ore., Echo—Irrigation—Teel Irrigation Co. let general contract building irrigation project, to include reservoir, storage capacity to water 20,000 acres, canals, laterals and building sawmill for flume lumber, 75,000 ft. daily capacity, to Warren Constr. Co., Journal Bldg., Portland; also building 12,341 ft. tunnel, concrete where it does not go through solid rock, 8 ft. wide, 7 ft. high, to Rajoite, Fobert & Winters, Ziegler Bldg., Spokane. Total cost of project, $930,000. Noted Apr. 3.

Industrial Work

PROPOSED WORK

Mass., Chicopee Falls—Chicopee Mfg. Co., West Main St., soon receives bids building weave shed addition to plant. About $100,000. Private plans.

Mass., East Springfield (Springfield P. O.) —Springfield Tool Co., Inc., 125 Dwight St., Springfield, soon lets contract building 1 and 2 story, 90 x 200 ft., brick and mill construction factory and office, rein.-con. flooring, concrete foundation, here. About $55,000. Private plans.

Mass., Mittineague — Strathmore Paper Co. having plans prepared for factory. About $100,000.

Mass., Springfield—A. D. Potter, Greenfield, soon lets contract building 1 story, 100 x 290 ft. warehouse and 100 ft. grain elevator, timber, concrete flooring, concrete foundation on Page Blvd. and St. James Circle. About $100,000. Private plans.

Mass., Worcester—E. J. Cross, archt., 82 Foster St., preparing plans for 8 story, 84 x 143 ft., concrete and steel manufacturing plant, concrete foundation, on Franklin St. About $250,000. M. L Feeney, 808 State Mutual Bldg., agt. Owner's name withheld. Engineer not selected.

Mass., Worcester—G. B. Cutting, archt., 4 Walnut St., preparing plans for 8 story, 98 x 133 ft., concrete and steel manufacturing plant, on Hygeia St. About $250,000. M. L. Feeney, 808 State Mutual Bldg., agt. Owner's name withheld. Engineer not selected.

Mass., Worcester—B. L. Handelman soon receives bids building 2 story, 150 x 200 ft. brick garage, rein.-con. flooring, concrete foundation, on Mechanic St. About $100,000. C. R. Hoyle, 1038 Slater Bldg., archt. Engineer not selected.

Mass., Worcester—S. H. Pitcher Co., engrs., 44 Front St., soon receives bids building 2 story, 60 x 150 ft., brick and concrete garage, rein.-con. flooring, concrete foundation, on Austin St. and Houchin Ave., for Worcester Paper Box Co., 68 High St. About $45,000.

R. I., Providence—Genl. Baking Co., 207 Brook St., plans to build brick and concrete addition to bakery on John and William Sts. About $150,000.

Conn., New Haven—Brown & Von Beren, archts. and engrs., 185 Church St., soon receive bids building 2 story, 83 x 100 ft. brick and mill construction factory, concrete foundation, on Greene and Olive Sts., for Alper, Krall & Co., 44 Crown St. About $40,000

N. Y., Falconer—Merriam Cabinet Co. plans to remodel Chatauqua Planing Mills. About $25,000.

N. Y., Little Falls—Barnet Leather Co., 598 East Mill St., plans to build 3 story brick addition to plant. About $35,000. Address E. L. White, supt.

N. Y., New York—T. G. Cowan, 125 West 53rd St., having plans prepared by W. J. Russell, archt., 73 West 46th St., for 5 story, 40 x 200 ft., brick and steel garage, rein.-con. flooring, at 127-129 West 53rd St. About $25,000.

N. Y., New York—Cudahy Packing Co., 454 West 14th St., receives bids about Aug. 8, altering and building 2 story, rein.-con. and steel addition to packing plant, rein.-con. flooring, concrete foundation, at 611 West 34th St. About $50,000. Private plans. Noted July 3.

N. Y., New York—A. Lobo, 1133 Bway., soon lets contract building 2 story, 45 x 75 ft., brick and steel warehouse, rein.-con. flooring, brick foundation, at 401-403 Canal St. About $30,000. J. M. Felson, 1133 Bway., archt. and engr.

N. Y., New York—Realty Corp., West 26th St., had plans prepared by W. Higginson, archt. and engr., 18 East 41st St., altering 8 story rein.-con., brick and steel factory, rein.-con. flooring, at 518-534 West 26th St. About $155,000.

N. Y., New York—Swift & Co., 32 10th Ave., had plans prepared for 10 story, rein.-con. and steel refrigerating plant, rein.-con. flooring, concrete foundation, on West 14th St. About $1,000,000. Private plans.

N. Y., New York—United Dressed Beef Co., 32 10th Ave., had plans prepared for 7 story irregular shaped packing plant and 5 story, 75 x 103 ft. pen for cattle, rein.-con. and steel, rein.-con. flooring, concrete foundation, on 1st Ave. and 44th St Cost $175,000 each. Private plans.

N. Y., Nunda—Peck & Pratt, Inc., purchased site and plans to build rein.-con. condensed milk plant. Cost, including equipment, between $35,000 and $50,000.

N. Y., Syracuse—Brown, Lipe, Chapin Co., 110 Seneca St., plans to build 5 story, 70 x 78 ft. and 2 story, 50 x 50 ft. factories, on Ontario and West Fayette Sts., both rein.-con. About $125,000 and $75,000 respectively. G. L. Noble, Union Bldg., archt. and engr.

N. Y., Syracuse—A. E. Nettleton Co., 302 Pearl St., plans to build factory on East Willow and Pearl Sts. About $100,000. H. W. Cook, vice. pres.

N. Y., Theresa—Borden Milk Co., 62 Vesey St., New York City, plans to rebuild plant and station here which was recently destroyed by fire. Estimate lost, $25,000. A. Ackerman, Theresa, mgr.

N. J., Trenton—Thermoid Rubber Co., Whitehead Rd., having preliminary plans prepared by Osborn Eng. Co., engrs., 2848 Prospect Ave., Cleveland, for 3 story, 100 x 270 ft., rein.-con., brick and steel plant. About $150,000.

Pa., Archbald—Clemons Silk Co. plans to build 2 story, 75 x 100 ft. concrete and brick weaving plant, rock foundation, on John St. About $72,000. G. N. Edson, Connell Bldg., Scranton, archt.

Pa., Duryea—Universal Industrial Corp. plans to build 1 story, 52 x 130 ft. concrete, steel and brick mill, concrete foundation, with 30 x 40 ft. wing. About $60,000. E. H. Davis and G. M. D. Lewis, Union Bank Bldg., Scranton, archts.

Pa., Erie—Continental Rubber Co., 19th and Liberty Sts., having preliminary plans prepared by Osborn Eng. Co., engrs., 2848 Prospect Ave., Cleveland, for 2 story, 78 x 130 ft., steel and brick power plant. About $75,000.

Pa., Phila.—Sears Roebuck & Co., Arthington and Homan Aves., Chicago, having preliminary plans prepared by G. C. Nimmons & Co., archts., 122 South Michigan Ave., Chicago, for 9 story, mail-order warehouse, here. About $1,000,000.

Pa., Pittsburgh—United Eng. Co., Farm Bank Bldg., having preliminary sketches made by Hunting-Davis Co., archts., Century Bldg., for 1 and 2 story, 100 x 440 ft. and 45 x 100 ft. brick and steel foundry on 54th St. including office, dining room, etc.

Pa., Scranton—T. W. Bentley plans to build 3 story, 50 x 110 ft. concrete and brick mill on Wyoming Ave. About $100,000. L. Hancock, Mears Bldg., archt.

Pa., Scranton—Heath Silk Co. plans to build 3 story, 50 x 100 ft., concrete and brick mill, concrete foundation, on Wyoming Ave. About $66,000. G. N. Edson, Connell Bldg., archt.

Pa., Scranton—J. W. Howell, Mears Bldg., plans to build 3 story, 30 x 90 ft. concrete and brick warehouse, rein.-con. flooring, concrete foundation, on Lackawanna Ave. About $50,000. L. Hancock, Mears Bldg., archt.

Industrial Works (Continued)

Pa., Scranton—Maccar Truck Co., Cliff St., plans to build 1 story, 45 x 70 ft. brick, concrete and steel power plant, rein.-con. flooring, rock foundation, on Mulberry Ave. About $60,000. Davis & Lewis, Union Bank Bldg., archts.

W. Va., Clarksburg — "See Water Works."

W. Va., Huntington—Standard Ultramarine Co., 5th Ave. and 25th St., plans to build 3 story, 80 x 100 ft., concrete, steel and brick laboratory, on 24th St. About $25,000.

N. C., Cherryville — Rhyne-Houser Mfg. Co. plans to build 2 story, 79 x 220 ft. brick and cement mortar factory, concrete foundation, near Seaboard Air Line Ry. About $25,000. J. H. Mayes, Realty Bldg., Charlotte, engr.

N. C., Gastonia—Meyers Mills plans to build 1 story, 133 x 420 ft. rein.-con. and brick mill, concrete foundation, also three 1 story, 50 x 100 ft., rein.-con. and brick warehouses, concrete foundation. Robert & Co., Candler Bldg., Atlanta, Ga., engrs. and archts.

N. C., Kannapolis — Cabarrus Cotton Mills, Pickers Bldg., plans to build two 3 story mills, 100 x 150 ft., and 104 x 380 ft., mill construction. Robert & Co., Candler Bldg., Atlanta, Ga., engrs. and archts.

N. C., Kannapolis—Cannon Mfg. Co. plans to construct 4 story, 100 x 200 ft. mill, 4 story, 100 x 275 ft. cotton mill, and four 1 story, 50 x 100 ft. warehouses, all mill construction. Robert & Co., Candler Bldg., Atlanta, Ga., engrs. and archts.

Ga., Columbus—Bibb Mfg. Co., 32nd St., plans to build 6 story, 130 x 600 ft. mill and 1 story, 200 x 500 ft. weave shed, both rein.-con. and brick, rein.-con. flooring, concrete foundations. Robert & Co., Candler Bldg., Atlanta, engrs.

Ga., Macon—Payne Mills plans to build two 1 story, 50 x 100 ft. warehouses, and 1 story, 75 x 435 ft. heavy mill construction plant. Robert & Co., Candler Bldg., Atlanta, engrs.

Ga., Thomaston—Peerless Cotton Mills plan to build 2 story, 132 x 480 ft., rein.-con. and brick mill and four 1 story, 50 x 100 ft. brick warehouses, concrete foundation. Robert & Co., Candler Bldg., Atlanta, archts. and engrs.

Fla., Orlando—Dickerson Ives Co., Mercantile Ave., having plans prepared for 4 story, concrete and steel factory, to cover 33,000 ft. floor space. About $125,000.

Fla., Palmetto—D. M. and J. C. Courtney having plans prepared for a 2 also 1 story addition to packing plant.

Ala., Birmingham—Alabama Packing Co., 3031 21st Ave. N., plans to build addition to plant. R. E. Lewis, representative. About $200,000.

Ala., Montgomery — Alabama-Georgia Syrup Co., Jones St., plans to build 2 story, 95 x 170 ft., rein.-con. and brick factory, concrete foundation, on North Court St. About $50,000. Okel & Cooper, Vandiver Bldg., archts.

O., Ashland—Ashland Tire & Rubber Co. having plans prepared by Osborn Eng. Co., engrs., 2848 Prospect Ave., Cleveland, for 2 story, 75 x 125 ft., rein.-con., steel and brick plant. About $90,000.

O., Ashland—Faultless Rubber Co. having plans prepared by Osborn Eng. Co., engrs., 2848 Prospect Ave., Cleveland, building 3 story, 80 x 160 ft., rein.-con., steel and brick addition to factory. About $75,000.

O., Carthage—Lunkenheimer Co., Beekman and Tremont St., Cincinnati, plans to build concrete factory and clubhouse here. About $1,500,000.

O., Cleveland—Chandler Motor Co., East 131st St. and St. Clair Ave., plans to build 3 story, 80 x 400 ft., rein.-con., steel and brick machine shop addition. About $200,000. Architect not selected.

O., Cleveland—Cleveland Automobile Co., 300 East 131st St., plans to build 4 story, 80 x 400 ft., rein.-con., steel and brick factory addition, on Euclid Ave. and London Rd. About $750,000. Architect not selected.

O., Cleveland—Cleveland Worsted Mills Co., 6300 Bway Ave., acquired site at 5442 Blanche Ave. and plans to build 10 story, 89 x 105 ft. rein.-con., stone, steel and brick warehouse. About $400,000. Architect not selected.

O., Cleveland—Crescent Brass Mfg. Co., 8410 Lake Ave., plans to rebuild 3 story, 80 x 120 ft., rein.-con., steel and brick factory, recently destroyed by fire. About $50,000. Architect not selected.

O., Cleveland—P. A. Gear Co., 5112 St. Clair Ave., having plans prepared by Christian, Swatzenberg & Gaede, archts., 1900 Euclid Bldg., for 2 story, 60 x 200 ft. rein.-con., steel and brick machine shop, at 534 East 105th St. About $75,000.

O., Cleveland — Glidden Varnish Co., Madison Ave. and Berea Rd. having plans prepared by Osborn Eng. Co., engrs., 2848 Prospect Ave. building 4 story, 59 x 90 ft. rein.-con., steel and brick grinding mill, on Madison Ave. About $60,000.

O., Cleveland — Jordan Motor Car Co., 1057 East 152nd St., plans to build 2 story, 97 x 167 ft. rein.-con., steel and brick factory addition. About $75,000. Architect not selected.

O., Cleveland—B. Moore & Co., 1314 Marquette Ave., plans to build 4 story, 60 x 100 ft., rein.-con., steel and brick factory, concrete foundation, on East 71st St. and Grant Ave. About $60,000. Architect not selected.

O., Cleveland—Natl. Malleable Castings Co., 7706 Platte Ave., having plans prepared for 3 story, 49 x 62 ft., rein.-con., steel and brick research laboratory, at 10509 Quincy Ave. About $50,000.

O., Cleveland—Sommer Adams Co., 2934 East 55th St., plans to build 2 story, 60 x 100 ft., rein.-con., steel and brick power house and factory, concrete foundation. About $75,000. Architect not selected.

O., Cleveland—E. A. Weinberger, Society for Savings Bank Bldg., plans to remodel 4 story, 52 x 140 ft. rein.-con., brick and steel factory, on Ontario and St. Clair Aves. About $30,000. Architect not selected.

O., Dayton—Dayton Reliance Tool & Mfg. Co., 818 East Monument St., plans to build rein.-con. and brick factory, rein.-con. flooring, concrete foundation. About $75,000.

O., Norwood—Dalton Adding Machine Co. having plans prepared for 4 story, 60 x 125 ft. factory on Beech St. About $75,000.

O., Warren—D. & M. Cord Tire Co., Engineers Bldg., having plans prepared by Osborn Eng. Co., engrs., 2848 Prospect Ave., building 3 story, 83 x 120 ft., rein.-con., steel and brick plant. About $75,000.

Mich., Allegan—Overton Creamery Co. having plans prepared by McCormich Co., archts. and engrs., Century Bldg., Pittsburgh, for creamery and dairy to include 40 x 50 ft. power house, rein.-con. and steel, rein.-con. flooring, concrete foundation, About $100,000.

Mich., Detroit — Belle Isle East Side Creamery Co., 1020 Forest Ave., E., having plans prepared by Williams Bros., archts., 1111 Kresge Bldg., for 2 story, 45 x 100 ft. rein.-con., brick and steel addition to creamery, rein.-con. flooring concrete foundation. About $40,000.

Mich., Detroit — A. Harvey's Sons Mfg. Co., 1st St., had plans prepared by Smith, Hinchman & Grylls, archts., Washington Arcade, for 2 story, 60 x 100 ft., rein.-con. and brick foundry, rein.-con. flooring, concrete foundation, on Bellevue Ave. and Michigan Central Ry.

Mich., Detroit—J. Wynne, Jr., 721 Ford Bldg., having plans prepared by G. W. Graves, archt., 43 John R St., for 2 story, 60 x 140 ft., brick and steel garage, concrete foundation, on Grand River Ave. About $55,000.

Mich., Marysville — Wills & Lee, Book Bldg., Detroit, having plans prepared by Smith, Hinchman & Grylls, archts., and engrs., 710 Washington Arcade, Detroit, for 1st unit of factory, to consist of power plant and 2 manufacturing units, rein.-con., brick and steel, concrete foundation, along St. Clair River.

Ill., Chicago—Century Rubber Wks., 2346 Rawson St., having plans prepared by Osborn Eng. Co., engrs., 2848 Prospect Ave., Cleveland, for 3 story, 200 x 350 ft. brick and steel factory, on La Salle St. About $200,000.

Ill., Chicago—See "Buildings."

Wis., Appleton—Fox River Tractor Co. plans to build plant. About $200,000.

Wis., Appleton—Interlake Pulp & Paper Co., John St., plans to build tower and install machinery. About $125,000.

Wis., Black River Falls—City plans to improve hydro-electric plant, including vertical type waterwheel and 400 hp. umbrella type generator. About $25,000.

Wis., Cedarburg—Cedarburg Creamery Co. plans to build 2 story, 50 x 80 ft. ice addition, concrete foundation. W. F. Hilgen, archt.

Wis., Manitowoc—Madson Seed Co., 718 Commercial St., plans to build 1 story, 50 x 60 ft., brick, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on 8th St. About $25,000. Juul & Smith, Imig Bldg., Sheboygan, archts.

Wis., Marshfield—S. Miller Fruit Co. had plans prepared by Carpenter & Waldron, archts., Stock Exch. Bldg., Chicago, Ill., for 3 story, 42 x 136 ft., brick, rein.-con. and steel warehouse with refrigerating plant. About $60,000.

Wis., Peshtigo—T. A. Pomeperion having plans prepared for brick, concrete and steel paper mill. About $40,000. L. A. De Guere, Grand Rapids, engr.

Wis., Sheboygan—Northern Furniture Co., South Water and North Jersey Sts., plans to build 4-5 story, 65 x 190 ft., brick, rein.-con. and steel factory, rein.-con. flooring, brick foundation, on New Jersey St. About $65,000. Architect not selected.

Minn., Duluth—Winkle Bros. Candy Co., 2115 West Michigan St., having plans prepared by E. F. Bromhall, archt., Alworth Bldg., for 2 story, concrete and brick factory, rock foundation, on London Rd. About $62,000.

Kan., Manhattan—Rocky Ford Milling Co. having plans prepared building 2 story plant. About $500,000. Private plans.

Mont., Great Falls—State Terminal Elevator, Ulm St., plans to build elevator on west side of Missouri River on "Old Stucco Mill." About $250,000.

Mont., Great Falls—M. Walls Hardware Co. plans to build warehouse. About $30,000. G. H. Shanley, 511 1st Natl. Bank Bldg., archt.

Mo., St. Louis—Natl. Metal Die Mold Co., 1627 Locust St., plan to build metal working plant and machine shop, at 207 North Bway. About $50,000. O. G. Stark, 1627 Locust St., pres. Architect not selected.

Tex., Ft. Worth—Oil House Supply Co. having plans prepared by Clarkson & Gaines, archts., Ft. Worth, building 2 story, 78 x 135 ft., rein.-con. and brick warehouse. Van Unworth & Byrd, Kansas City, Mo., engrs.

Tex., McKinney — McKinney Compress Co. plans to build additional shed and improve existing plant. About $40,000.

Utah, Salt Lake City—Headlund & Kent, engrs. Dooly Bldg., soon let contract building oil distilling plant for Rainbow Petroleum Oil Products Co. About $25,000.

Wash., Spokane—Spokane Drug Co., 707 Railroad Ave., plans to build 5 story, 118 x 142 ft. concrete and steel drug house, concrete foundation, on Wall St. About $200,000. A. L. Hawes, vice- pres. Architect not selected.

Cal., Chico—City Trustees having preliminary survey and estimate made for power plant in Chico Creek, to develop 3000 hp. F. S. Robinson, city engr.

Cal., Covina—Covina Citrus Assn. having plans prepared by Shepherd & Hamm, engrs., 315 Central Bldg., Pasadena, for 2 story, 150 x 175 ft., concrete, steel and hollow tile packing house, concrete foundation. About $70,000. Noted May 8.

Industrial Works (Continued)

Cal., Los Angeles — Goodyear Tire & Rubber Co., Market St., Akron, O., preparing plans for large tire and cotton fabric factory here. About $20,000,000. Noted July 10.

Que., Quebec—Terreau & Racine, 196 St. Paul St., plan to build 5 story, 75 x 150 ft., concrete factory. About $500,000. Architect not selected.

Ont., Kitchener—Canadian Consolidated Rubber Co., 137 King St., W., plans to build 4 story, rein.-con. addition to factory; rein.-con. flooring, concrete foundation, at 149 Strange St. About $1,000,000.

Ont., London—H. C. McBride, archt., Molsons Bank Bldg., soon lets contract building 5 story, 150 x 300 ft., rein.-con. and brick tannery, on St. George St., for C. S. Hyman Co., Ltd., Richmond St. About $300,000.

Ont., Sault Ste. Marie—Algoma Steel Co. plans to build 1 story, brick and steel extension to plant, concrete foundation. About $300,000. Private plans.

Ont., Windsor—C. H. Smith Co., Pitt St., having plans prepared by A. H. McPhail, archt., Bd. Trade Bldg., for 6 story, 30 x 120 ft., brick, rein.-con. and steel factory, rein.-con flooring, concrete foundation, on Ouellette Ave. About $100,000.

BIDS DESIRED

R. I., Westerly—Until Aug. 2, by Bilderbeck & Langdon, archts., Barrows Bldg., New London, Conn., building 1 story, 123 x 300 ft. brick and mill construction mill, concrete foundation, for New England Silk Co., Westerly. About $90,000.

N. Y., Antwerp—D. D. Kieff, archt., Flower Bldg., Watertown, receiving bids for rein.-con. and brick warehouse, for F. X. Baumert Milk Co., Antwerp. Cost including equipment between $50,000-$60,000.

N. Y., Brooklyn—Until Aug. 6, by H. J. Nurick, archt. and engr., 957 Bway., building 1 story, 100 x 185 ft. brick and steel warehouse, garage and workshop, rein.-con. flooring, concrete foundation, on Jefferson St., Wykoff and Flushing Aves., for Magid, Katzman & Strober, 58 Boerum St. About $120,000. Noted May 29.

N. Y., Syracuse—Until Aug. 25, by M. L. King, archt. and engr., Snow Bldg., for 1 story brick and steel foundry, concrete foundation, on Water St., for M. L. Oberdorfer Brass Co., 804 East Water St. About $40,000.

Pa., McKees Rocks—Hankey Baking Co. receiving bids building 2 story, 60 x 100 ft. steel and brick bakery. About $30,000. McCormick Co., Century Bldg., Pittsburgh, engrs. and archts.

Pa., Phila.—Bernstein Mfg. Co., Amer. and Allegheny Sts., receiving bids for 3 story, 52 x 152 ft. addition to factory. A. J. Sauer & Co., Denckla Bldg., archts.

Pa., Pittsburgh—Pittsburgh Gage & Supply Co., 30th and Liberty Sts. receiving bids building 6 story, 98 x 130 ft. rein.-con., steel and brick addition to factory, rein.-con. flooring, concrete foundation. W. G. Wilkins Co., Westinghouse Bldg., engrs. and archts.

O., Cleveland — City receiving bids constructing 1 story, 80 x 160 ft. concrete, steel and brick storage building, concrete foundation, on Division Av. About $50,000. F. H. Betz, 604 City Hall Bldg., archt.

O., Cleveland—T. Knight, Arcade Bldg., receiving bids for 1 story, 70 x 210 ft., concrete, steel and brick factory, on Scranton and Fairchild Aves. About $50,000.

O., Marion—Amer. Malleable Castings Co. receiving bids building 1 story, 70 x 75 and 60 x 70 ft., rein.-con., steel and brick foundry addition. About $50,000.

Mich., Detroit — Raseman & Freer, archts., 1302 Penobscot Bldg., receiving bids for 1 story, 240 x 140 ft., brick and steel factory, rein.-con. flooring, concrete foundation, on Conant Ave., for Swedish Crucible Steel Co., Butler St. and Grand Trunk Ry. Noted July 10.

Minn., Duluth—Until Aug. 15, by Marshall, Wells Co., Lake Ave., S., building 5 story, 115 x 250 ft., rein.-con., brick and steel warehouse and office, rein.-con. flooring, concrete foundation. About $250,000. German & Jenssen, Exch. Bldg., archts. and engrs.

Minn., Duluth—Until Aug. 10, by A. M. McDougall, mgr., McDougall Duluth Co., Riverside St., for 2 story, 90 x 100 ft. foundry and 1 story, 40 x 40 x 60 ft. pattern storage building on Polk St., both rein.-con., rein.-con. flooring, concrete foundation. About $50,000. A. Hanford, Lonsdale Bldg., archt. and engr.

Mo., Kansas City—G. S. Rider Co., archts., 612 Century Bldg., Cleveland, receiving bids building 3 story, 120 x 137 ft. rein.-con., concrete, steel and brick warehouse, on Darwin Ave., here, for Cleveland Metal Products Co., Ivanhoe Rd., Cleveland. About $100,000.

Que., Donnacona—Donnacona Paper Co., Room 40, Toronto Stock Exch. Bldg., receiving bids building 150-ton capacity pulp and paper mill and fully equipped power plant to develop 5000 h.p. on Jaques Cartier River. Noted April 3.

Ont., Strathroy—Until Aug. 8, by Dominion Canners, Aylmer, building rein.-con. and brick factory, rein.-con. flooring, concrete foundation, here. About $75,000. T. Wooster, Aylmer, archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Fall River**—Weetamoe Mills will build brick and steel addition to factory. About $25,000. Work will be done by day labor.

★**Mass., New Bedford** — Continental Wood Screw Co., Mt. Pleasant St., let contract building brick and mill construction addition to factory, to Eastern Constr. Co., 660 Winter St., Woonsocket, R. I. About $50,000.

★**Mass., Provincetown**—East Harbor Fertilizer Co., 293 Bridge St., Springfield, will build 2 story, 70 x 75 ft. brick and rein.-con. fertilizer plant, rein.-con. flooring, concrete foundation. About $30,000. Work will be done by day labor.

★**Mass., West Warren**—Warren Cotton Mills let contract building 3 story, 80 x 135 ft. addition, 2 story, 130 x 335 ft. card room, 1 story, 107 x 125 ft. picker house, rein.-con., steel and brick, rein.-con. flooring, concrete foundation, to Caspar Ranger Co., 12 Bond St., Holyoke. About $350,000. Noted July 10.

★**Mass., Willimansett** (Holyoke P. O.)—Paper Makers' Chemical Co., 529 Main St., Holyoke, let contract building 1 story, 66 x 206 ft. factory, 1 story, 26 x 36 ft. office and 1 story, 26 x 36 ft. garage, concrete and brick., rein.-con. flooring, concrete foundation, on Grattan St., here, to P. J. Kennedy & Co., Inc., 464 Maple St., Holyoke. About $75,000.

★**R. I., Cranston** (Providence P. O.)—Kenney Mfg. Co., 154 Greenwood St., Auburn, let contract building 1 story, 60 x 145 ft. and 20 x 60 ft. brick and mill construction addition to factory, concrete foundation, on Wellington St., here, to J. F. Cole, 81 Niagara St., Providence. About $25,000.

★**R. I., Cranston** (Providence P. O.)—United Wire & Supply Co., Auburn, let contract building 2 story, 100 x 120 ft. and 50 x 250 ft., brick and mill construction addition to factory in Auburn, concrete foundation, to W. H. Hamlyn & Son, 35 Greenwich St., Providence. About $125,000. Noted July 17.

★**R. I., Crompton**—Crompton Co. let contract building 2 story, 110 x 200 brick addition to mill, rein.-con. flooring, concrete foundation, to J. F. McCusher, Phenix. About $125,000.

★**R. I., Pawtucket**—Halliwell Co., Blackstone Ave., let contract building 2 story, 60 x 105 ft. brick and mill construction addition to bleachery, concrete foundation, to Cruise & Smiley Constr. Co., 188 Main St. About $40,000.

★**R. I., Pawtucket**—J. W. Little Co., 190 Exchange St., let contract building 2 story, 50 x 200 ft. brick and mill construction printing plant, concrete foundation, to F. G. Rowley Co., 260 Central Ave. About $40,000.

★**R. I., Pawtucket**—Nicholson-Thackray Co., Newall Ave., let contract building 1 story, 68 x 190 ft. brick warehouse, concrete foundation, to F. G. Rowley Co., Inc., 260 Central Ave. About $38,000.

★**R. I., Providence**—Apco Mfg. Co., 70 Eddy St., let contract building 1 story, 80 x 200 ft. brick and mill construction addition to factory, concrete foundation, to C. I. Bigney Constr. Co., Inc., 898 Westminster St. About $30,000.

★**R. I., Providence**—W. R. Walker & Son, archts., 17 Custom House, let contract, to Interstate Constr. Co., 29 Weybosset St., for 2 story, 50 x 100 ft. brick and rein.-con. garage, rein.-con. flooring, concrete foundation, on Friendship St., for P. H. Quinn, 1411 Turks Head Bldg. About $25,000. Noted May 15.

★**R. I., Woonsocket**—French Worsted Co., Hamlet Ave., let contract building 40 x 60 ft. brick and mill construction addition to boiler house, rein.-con. flooring, concrete foundation, also 150,000 gal. rein.-con. feul oil tank, to W. Aubin, 1102 Diamond Hill Rd. About $25,000.

★**Conn., New Britain**—Hart & Hutchinson Co., Corbin Ave., let contract building 1 story, 77 x 340 ft. brick and steel addition to factory, concrete foundation, to J. H. Grozier Co., 756 Main St., Hartford. About $70,000. Noted July 17.

★**Conn., New Haven**—Amer. Radiator Co., 820 South Michigan Ave., Chicago, let contract building brick and concrete warehouse, concrete foundation, brick and concrete superstructure, on South Front St. here, to Larkin-Carey Co., 166 Brewery St. About $150,000.

★**Conn., New Haven**—R. W. Foote, archt., 185 Church St., let contract, to Larkin-Carey Co., 166 Brewery St., for 1 story, 60 x 220 ft. brick and steel garage, show room and service station, rein.-con. flooring, concrete foundation, on Bway., for N. B. Whitfield, 296 Elm St. About $50,000. Noted July 3.

★**Conn., New Haven**—J. Weinstein, archt., 6 Church St., let contract, to I. Alpert, 42 Elliott St., for 2 story, 80 x 100 ft. brick and concrete bakery, rein.-con. flooring, concrete foundation, on Broad and Commerce Sts., for A. M. Levine, c/o archt. About $50,000. Noted May 1.

★**Conn., New Haven**—S. D. Woodruff & Sons, Orange, let contract building 1 story, 80 x 140 ft. garage with 40 x 80 ft. wing, concrete and brick, rein.-con. flooring, concrete foundation, on Whalley Ave., to C. W. Murdock, 185 Church St. About $55,000. Noted July 10.

★**Conn., Putnam**—Manhasset Mfg. Co., Turks Head Bldg., Providence, let contract building 2 story, 100 x 100 ft. brick and mill construction mill, concrete foundation, to Torrington Bldg. Co., 197 Water St., Torrington. About $125,000. Noted July 17.

★**Conn., Sound Beach**—Dalton Mfg. Co., 1915 Park Ave., New York City, let contract building 1 story, 100 x 400 ft. brick and steel plant, also power house, garage, office and locker building, here, to R. Deeves & Son, 309 Bway., New York City. About $200,000.

★**N. Y., Brooklyn**—J. B. Camerdella, 215 Montague St., will build 1 story, 100 x 125 ft., brick and steel garage, rein.-con. flooring, brick foundation, on 4th Ave. and 65th St. About $30,000. Work will be done by day labor.

★**N. Y., Brooklyn**—Coyne & Delaney, 832 Kent Ave., will build 3 story, 50 x 120 ft., brick and steel factory, rein.-con. flooring, concrete foundation, on Flushing and Mt. Olivet Aves. About $70,000. Work will be done by day labor.

★**N. Y., Brooklyn**—French Builders, 142 East 43rd St., will build 1 story, 105 x 133 ft., brick and steel garage, brick foundation, on Christopher and East New York Aves. About $35,000. Work will be done by day labor.

★**N. Y., Brooklyn**—P. Glickman, 44 Court St., will build 1 story, 100 x 160 ft., brick and steel garage, rein.-con. flooring, brick foundation, on President St. and Franklin Ave. About $40,000. Work will be done by day labor.

★**N. Y., Brooklyn**—L. Gold, 44 Court St., will build 1 story, 100 x 100 ft., brick and steel garage, rein.-con. flooring, brick foundation, on Ave. Q and East 10th St. About $25,000. Work will be done by day labor

Industrial Works (Continued)

★**N. Y., Brooklyn**—E. Greenfield & Son, 95 Lorimer St., let contract building 6 story, 40 x 100 ft., brick and rein.-con. factory, rein.-con. flooring, concrete foundation, on Lorimer St. and Marcy Ave., to Turner Constr. Co., 242 Madison Ave., New York City. About $80,000. Cost plus percentage basis.

★**N. Y., Brooklyn**—L. Nodica, 250 Troutman St., will build 1 story, 50 x 90 ft., brick and steel factory, on Troutman St. and Knickerbocker Ave. About $35,000. Work will be done by day labor.

★**N. Y., Brooklyn**—D. Norton, 301 Douglas St., will build 1 story, 60 x 100 ft., brick and steel garage, rein.-con. flooring, brick foundation, at 357 Douglas St. About $25,000. Work will be done by day labor.

★**N. Y., Brooklyn**—J. B. Silman, 1511 Emmons Ave., will build 1 story, 110 x 125 ft. brick and steel garage, rein.-con. flooring, concrete fonudation, on Bridge St. and Willoughby Ave. About $25,000. Work will be done by day labor.

★**N. Y., Brooklyn**—Weingold Realty & Constr. Co., 122 Dumont St., will build 1 story, 100 x 110 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Pacific St. and Washington Ave. About $25,000. Work will be done by day labor.

★**N. Y., Kingston**—Standard Oil Co., 26 Bway., New York City, let contract building 60 x 80 ft. warehouse, 32 x 52 ft. garage, 24 x 50 ft. filling shed, 22 x 24 ft. wagon house, all 1 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to H. D. Best, 949 Bway., New York City. Cost plus percentage basis.

★**N. Y., Lockport** — Upson Co., Upson Point, let contract building rein.-con. mill, to include beater room, machine, engine, boiler and roll paper stock rooms, to Aberthaw Constr. Co., 27 School St., Boston. Cost between $250,000 and $300,000.

★**N. Y., Long Island City**—H. Balcom, archt. and engr., 10 East 47th St., New York City, let contract to Levering & Garrigue, 552 West 23rd St., New York City, for 6 story, 132 x 200 ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Nott, Manby, Anable and Mount Sts., here, for S. Blickman, 199 Lafayette St., New York City. About $400,000. Noted July 3.

★**N. Y., Long Island City**—Tidewater Oil Co., 11 Bway., New York City, let contract building 2 story, 30 x 140 ft. garage and 3 story, 51 x 60 ft. warehouse, rein.-con. and brick, concrete foundation, on Greenpoint Ave. and Newtown Creek, to H. D. Best, 949 Bway., New York City. Cost plus percentage basis.

★**N. Y., New York**—H. S. Coffin, 44 Pine St., will build 2 story, 99 x 188 ft., brick and steel garage, rein.-con. flooring, brick foundation, at 388-394 11th Ave. About $100,000. Work will be done by day labor under supervision of G. M. McCabe, archt., 96 5th Ave. Noted July 3.

★**N. Y., New York**—R. T. Crane, Jr., 1550 Lake Shore Dr., Chicago, let contract building 4 story, rein.-con. and brick warehouse, rein.-con. flooring, concrete foundation, at 1996-2010 Park Ave., here, to White Constr. Co., 95 Madison Ave. About $175,000. Noted June 5.

★**N. Y., New York**—D. Meenan, 1966 Bway., let contract building 6 story, 87 x 100 ft., brick and steel garage, rein.-con. flooring, brick foundation, to Standard Concrete Steel Co., 105 West 40th St. About $200,000. Noted June 19.

★**N. Y., New York**—Peerless Towel Supply Co., 29 Lafayette St. let contract building 4 story, 75 x 100 ft., rein.-con. and steel assembling and distributing plant, rein.-con. flooring, concrete foundation, at 372-376 Gold St., to Austin Co., 217 Bway. About $120,000.

★**N. Y., Pierrepont Manor** — Northern New York Milk Producers' Assn. let contract building milk handling station and condensery, to O. D. Greene, Adams. About $200,000. Cost plus percentage basis. Noted June 12.

★**N. J., Jersey City**—Eastern States Refrigerating Co., 147 16th St., let contract building 7 story, concrete and brick plant on Provost St., to L. Green, Springfield, Mass. About $150,000. Noted June 26.

★**Pa., Phila**—Dodge Steel Co., Tacony St., let contract for 1 story, 116 x 800 ft., steel foundry, to Austin Co., Bulletin Bldg.

★**Pa., Phila.**—Sherritt & Stoer, Finance Bldg., let contract for 3 story, 35 x 160 ft. warehouse at 2006 Market St., to W. Steel & Sons Co., 16th and Arch Sts. About $60,000.

★**Pa., Pittsburgh**—Singer Nimick Plant of Crucible Steel Co., West Carson St., let contract altering and building addition to plant, to Toupet, Beil & Conley, 5814-16 Ellsworth Ave., E. E. About $150,000, percentage basis.

★**Pa., Pittsburgh**—Wolverine Supply & Mfg. Co., Page and Fontella Sts., North Side, let contract building 5 story, 70 x 100 ft. rein.-con. and steel factory on Page St., to H. Shank Co., 132 7th St. About $125,000. Noted July 10.

★**Pa., Retreat**—Retreat Poor House let contract building 1 story, 46 x 300 ft. timber hog barn, concrete foundation, to A. Hilbrandt, 91 Wood St., Wilkes-Barre. About $52,000.

★**Md., Baltimore**—W. Schluderberg & Son, 4th and Bank Sts., let contract building 5 story brick and concrete packing plant, rein.-con flooring, concrete foundation, on East Baltimore St., to Consolidated Eng. Co., 243 Calvert Bldg. About $250,000. Noted July 10.

★**W. Va., Wheeling**—J. E. Moss Iron Wks., 28th and Chapline Sts., will build 1 story, 125 x 250 ft. plant, on 29th St. About $60,000. Work will be done by day labor.

★**N. C., Fayetteville**—Jackson Bros. Co., Salisbury, Md, let contract building 2 story, brick and timber, planing mill and box shook factory, here, to Irwin & Leighton, 126 North 12th St., Phila.

★**N. C., Shelby**—Shelby Cotton Mills will build 2 story addition to mill. Cost between $75,000 and $100,000. Work will be done by day labor.

★**Fla., Sarasota**—City let contract building 47 x 68 ft. power and water plant, concrete and Dennison inter locking tile stucco, to Southern Constr. Co., St. Petersburg.

★**Ala., Birmingham**—H. B. Odell, agt. Packard Motor Co., 541 Peachtree St., Atlanta, Ga., will build mill construction garage on Magnolia Ave. and Sycamore St., here. About $60,000. Work will be done by day labor under supervision of I. Adler, Birmingham.

★**O., Cleveland**—Bamberger-Reinthal Co., 2621 East 9th St., let contract building 3 story, 70 x 180 ft. rein.-con., steel and brick factory, on Grand Ave., to Bolton & Pratt, 801 Columbia Bldg. About $100,000.

★**O., Cleveland**—Natl. Lamp Co., Nela Park, let contract building 3 story, 80 x 110 ft., rein.-con., steel and brick factory, to S. W. Emerson Co., 1900 Euclid Ave. About $200,000.

★**O., Cleveland**—J. M. and L. A. Osborn Co., Superior Viaduct, let contract building 2 story, 130 x 150 ft., rein.con., steel and brick warehouse, on East 39th St. and Superior Ave., to S. W. Emerson Co., 1900 Euclid Ave. About $300,000. Noted June 5.

★**O., Columbus**—Columbus Tire & Rubber Co., Hayden Bldg., let contract building 2 story, 75 x 300 ft. factory, with two 25 x 60 ft. wings, on west bank of Olentangy River, to Cummins & Blan Co., Cleveland.

★**O., Dayton**—M. Weber Co., 218 North St. Clair St., let contract building 4 story, 60 x 100 ft. repair shop and garage, rein.-con. and brick, rein.-con. flooring, concrete foundation, at 218-28 North St. Clair St., to H. R. Blagg., 1[illegible] East 3rd St. About $85,000.

★**O., Middleton**—Amer. Rolling Mills Co. let contract building rein.-con. and steel extension to sheet and jobbing mill plant, concrete foundation, to Westinghouse, Church & Kerr, 37 Wall St., New York City. About $2,000,000.

★**Mich., Detroit**—Commerce Motor Car Co., Solvay and Mackie Aves., let contract building 1 story, 120 x 240 ft. factory and 2 story, 30 x 90 ft. office, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to L. W. Zander, 708 14th St.

★**Mich., Detroit**—M. Standish, 39 Pengree Ave., let contract for 3 story, 60 x 150 ft., rein.-con. and brick garage, rein.-con. flooring, concrete foundation on Woodward and Hancock Ave., to J. Finn & Son, 2375 Woodward Ave. About $65,000.

★**Mich., Mt. Clemens**—Natl. Cement Co., New Natl. Bank of Commerce Bldg., let contract for steel plant to consist of 3 buildings, one 40 x 60 ft., one 60 x 160 ft. and other 200 x 400 ft., to Austin Co., 16112 Euclid Ave., Cleveland, $1[illegible].

★**Ill., Chicago**—Cleveland Metal Products Co., Platt Ave., Cleveland, let contract building 3 story, 90 x 200 ft. rein.-con. warehouse, rein.-con. flooring, concrete foundation, on West 43rd St. and Western Ave., here, to Austin Co., 208 South La Salle St. About $150,000.

★**Ill., Chicago**—A. Woltersdorf, archt., 138 North La Salle St., let contract to J. Rodatz, 209 South La Salle St., for 1 story, 65 x 162 ft., 2 story, 49 x 168 ft. and 3 story, 89 x 94 ft. bakery plants, mill construction, concrete foundation, at 5324 Federal St. also 1 story, 57 x 110 ft. stable, at 5407 Federal St., for Gordon-Pagel Co., 461 Chene St., Detroit, Mich. About $225,000. Noted May 29.

★**Ill., East St. Louis**—Natl. Stock Yards let contract building 3 story, 155 x 1000 ft., brick house for hogs, concrete flooring, rock foundation, to Natl. Stock Yards Constr. Co., East St. Louis. About $150,000.

★**Wis., Ripon**—Barlow-Seelig Mfg. Co. let contract building 1 story, 50 x 120 ft., brick and concrete factory, to Immel Constr. Co., 200 North Main St., Fond du Lac. About $25,000.

★**Wis., Sheboygan**—Haack Motor Co., c/o C. Haack, Jr., let contract building 2 story, 63 x 120 ft., brick, rein.-con. and steel garage, rein.-con. flooring, concrete foundation, on 12th St. and Indinana Ave., to C. Haack, Sheboygan, $61,050. Noted July 10.

★**Mo., St. Louis** — Columbia Transfer Co., Bway and Spruce Sts., let contract building 2 story, 82 x 228 ft. rein.-con. steel and brick freight depot, at Clark, Spruce and 6th Sts., to Fruin Colnan Contg. Co., Merchants Laclede Bldg. About $63,000.

★**Tex., Strawn**—Palo Pinto Oil Co., 61 Bway., New York City, let contract building rein.-con. and steel plant, here, to Westinghouse, Church, Kerr, 37 Wall St., New York City. About $50,000.

★**Utah, Salt Lake City**—McDonald Chocolate Co. let contract building rein.-con. and steel factory on West Bway., to Campbell Bldg. Co., 71 South Main St., $81,250.

★**Wash., Seattle**—Libby, McNeil & Libby, 35 South Dearborn St., Chicago, let contract building 2 story, 73 x 135 ft. concrete packing house, rein.-con. flooring, here, to F. J. Leonard, Lewis Bldg., Portland.

★**Wash., Seattle**—Paragon Tool Co., Manufacturers Exch. Bldg., let contract building 2 story, 50 x 110 ft., brick and concrete tool plant, rein.-con. flooring, on Pine and Boylston Sts., to McRae Bros., Amer. Bank Bldg. About $55,000.

★**Ore., Vale**—Vale Milling & Elevator Co., United States Natl. Bank Bldg., let general contract building 3½ story concrete and timber mill to Glasser Constr. Co., Hutton Bldg., Spokane, Wash.; lumber to Boise-Payeter Lumber Co.; plumbing and hardware materials, to Vale Trading Co. About $50,000.

★**Cal., Burbank** — Mcreland Truck Co., North Main St., Los Angeles, let contract building three 1 story, 160 x 320 ft. factories, and 2 story, 80 x 170 ft. office, rein.-con., brick and steel, concrete foundation, to C. J. Kubach Co., 701 Merchants Natl. Bank Bldg., Los Angeles. About $500,000.

★**Cal., Los Angeles**—Ponet Estate, City Natl. Bank Bldg., let contract building 4 story, 100 x 155 ft., rein.-con. garage, rein.-con. flooring, concrete foundation, on 12th and Hope Sts., to Winter Constr. Co., 2141 Sacramento St., $125,000. Chevrolet Motor Co., lessee.

★**Cal., Rivera**—El Ranchito Citrus Assn. will build 2 story, 80 x 150 ft., concrete, steel and hollow tile packing plant, concrete foundation. About $30,000. Work will be done by day labor under supervision of Shepherd & Hamm, engrs., 315 Central Bldg., Pasadena.

★**Cal., San Francisco**—Joshua Hendy Iron Wks., 75 Fremont St., let contract building plant on 47,000 sq.ft. site on Kearny and Fracisco Sts., to J. R. Cahill, 110 Sutter St. About $450,000.

Industrial Works (Continued)

★Ont., **London**—McClary Mfg. Co., 333 Wellington St., let contract building 5 story, 72 x 125 ft., rein.-con. and brick factory, concrete foundation, to J. Putherbough, 272 Regent St. About $60,000.

Buildings

PROPOSED WORK

Mass., Amherst—Memorial—Massachusetts Agricultural College plans to construct memorial building on campus. About $150,000. Architect not selected.

Mass., Chicopee—Theatre—P. P. Starzyk, 32 Center St., soon receives bids altering Old Wells Opera House, on Exchange and Center Sts., concrete and steel. About $50,000. Private plans.

Mass., East Springfield (Springfield P. O.) —See "Industrial Works."

Mass., South Hadley—Science and Dormitory—Mt. Holyoke College plans to build science hall and dormitory group on campus. About $500,000. Brainerd & Leeds, 89 Franklin St., Boston, archts., for dormitory group.

Mass., Three Rivers—School—French Catholic Church plans to build brick and steel school. About $60,000. L. Geoffroy, pastor. Architect not selected.

Mass., Worcester—Hospital—City plans to build 2 story, 149 x 33 ft. brick, on Belmont St. About $160,000. Fuller & Delano, 44 Front St., archts. Engineer not selected.

Conn., Bridgeport—Office and Bank—Hincks Bros. & Co., 207 State St., having plans prepared by W. J. Skinner, archt., 1188 Main St., for 3 story, 38 x 120 ft., brick, terra cotta and marble, rein.-con. flooring, concrete foundation, on Main St. About $60,000. Noted July 10.

Conn., Forrestville—School—Bd. Educ., Bristol, plans to build 2 story brick and steel addition to school, in Dist. 13, here. About $60,000. W. P. Crabtree, 272 Main St., New Britain, archt.

Conn., Milford—Hotel—P. M. Rosengarten, 335 Willow St., Waterbury, plans to build new hotel on Merwin St., here. About $50,000. Engineer not selected.

Conn., South Manchester—School—St. James Roman Catholic Society, 896 Main St. having plans prepared by Whiton & McMahon, archts., 36 Pearl St., Hartford, for brick school. About $60,000. W. J. McGuirk, pastor.

Conn., Stamford—School—Bd. Educ. having plans prepared by Emmens & Abbott, engrs., Washington Bldg., for 24 room school on State and South Sts., brick, concrete and steel, concrete foundation, concrete flooring. About $225,000. Noted Mar. 20.

Conn., Waterbury—Hospital—Bd. Health soon receives bids building 2 story brick and rein.-con. isolation hospital, rein.-con. flooring, concrete foundation. About $200,000. Cross & Cross, 681 5th Ave., New York City, archts.

N. Y., Arcade—High School—City voted $100,000 bonds to build combined grammar and high school.

N. Y., Brooklyn—Hospital—New York Congregation Home for Aged, 123 Linden Ave., having plans prepared by Parfitt Bros., archts. and engrs., 26 Court St., for 3 story, 38 x 65 ft., brick, steel and stone addition, stone foundation. About $65,000.

N. Y., Brooklyn—Office—Home Title Insurance Co., Jay and Pearl Sts., having plans prepared by Slee & Bryson, archts., 154 Montgomery St., for 3 story, 65 x 90 ft. brick and steel, brick foundation, on Jay St. and Willoughby Ave. About $100,000.

N. Y., Flushing—School—Bd. Educ., 500 Park Ave., New York City, having plans prepared by C. B. J. Snyder, archt. and engr., Municipal Bldg., New York City, building 3 story, brick and steel, brick foundation, on Jamaica Rd., here, and altering school adjoining same. About $300,000.

N. Y., Geneva—Club House—Geneva Council Knights of Columbus plans to build club house. Cost between $80,000 and $100,000. Address R. J. Wyatt, Geneva. Architect or engineer not selected.

N. Y., Hartsdale—Club House—Hartsdale Country Club having plans prepared by W. H. Gompert, archt. and engr., 171 Madison Ave., New York City, for brick, steel and stone, brick foundation. About $750,000.

N. Y., Hornell—School—City election Aug. 5, to vote on proposition to appropriate between $200,000 and $250,000 to build new school.

N. Y., Syracuse—School—Bd. Educ., Onondaga Valley, plans to build 2 story, 150 x 200 ft., brick, rein.-con. and steel, concrete foundation, here. About $350,000. Ford, Buck & Sheldon, 60 Prospect St., Hartford, Conn., engrs. M. L. King, Snow Bldg., archt.

N. Y., Syracuse—School—City plans to build 2 story, brick and rein.-con., on Alvord St. About $300,000. M. L. King, Snow Bldg., archt. H. C. Allen, City Hall, engr.

N. Y., Syracuse—School—St. Anthony of Padrea Church, Colvin St. and Midland Ave., plans to build 2 story, 75 x 140 ft. rein.-con. and steel parochial school, rein.-con. flooring, concrete foundation. About $85,000. A. R. Acheson, 852 Ostrom Ave., engr. M. L. King, Snow Bldg., archt.

N. Y., Tonawanda—School—Bd. Educ. soon receives bids building 2 story, brick and concrete on Highland Ave. About $60,000.

N. J., Plainfield—School—Bd. Educ. soon lets contract building 2½ story, 55 x 150 ft., brick and steel, brick foundation on Emerson Ave. About $140,000. Incorrectly noted in our issue of July 24.

Pa., Chester—Club House—Chester Club soon lets contract building 4 story, 65 x 110 ft., marble, brick and terra cotta. About $140,000. C. Brazer, Crozer Bldg., archt.

Pa., Dorrancetown—Hall—Boro. plans to build 2 story, 48 x 68 ft. town hall. About $52,000. J. S. Petton, 2nd Natl. Bank Bldg., Wilkes-Barre, archt.

Pa., Jeanette—High School—Boro. plans election in September to vote on $250,000 bonds to build high school on 4th St.

Pa., Nanticoke—Bank—Polish Bank Assn having plans prepared by A. Reilly, archt., Bennett Bldg., Wilkes-Barre, building 1 story, 25 x 100 ft. marble, brick and terra cotta bank. About $50,000.

Pa., Nanticoke—School—Borough having plans prepared by A. Reilly, archt., Bennett Bldg., Wilkes-Barre, building 2 story, 25 x 40 ft. and 2 story, 30 x 50 ft. brick, timber and stone schools, rock foundation. About $70,000 and $80,000 respectively.

Pa., Olyphant—Office—Scranton Gas & Water Co. plans to build 1 story, 25 x 50 ft., rein.-con., steel and brick, concrete foundation. About $50,000. E. Davis and G. M. Lewis, Union Trust Bldg., Scranton, archts.

Pa., Phila.—Bank and Office—Fidelify Trust Co., Broad and Chestnut Sts., had plans prepared by J. T. Windrem, archt., Commonwealth Trust Bldg., for 32 story, brick, steel and stone, 6 stories 27 x 127 ft., and 26 stories 175 x 229½ ft., on Broad and Walnut Sts. About $8,000,000.

Pa., Phila.—House of Correction—City having plans prepared by C. E. Oelschlager, archt., 1615 Walnut St., making interior alterations to 2 and 3 story house of correction on Helmerburg St. Rd. About $50,000.

Pa., Phila.—School—Protestant Episcopal Divinity School, 42nd and Spruce Sts., plan to build school. Cost to exceed $50,000. Zantinger, Borie & Medary, 16th and Sansom Sts., archts.

Pa., Pittsburgh—Office—See "Industrial Works."

Pa., Plymouth—Church—St. Leo Polish Catholic congregation plans to build 2 story, 50 x 133 ft., rein.-con., steel and brick, concrete foundation. About $90,000. Morris & McHale, Burr Bldg., Scranton, archts

Pa., Scranton—Toilet—Maccar Truck Co., Cliff St., plans to build 1 story, 40 x 60 ft., concrete and brick, rein.-con. flooring, concrete foundation, on Mulberry St. About $51,000. Davis & Lewis, Union Bank Bldg., archts.

Del., Selborne Farms (Wilmington P. O.) —Houses—M. Fielding, archt., 520 Walnut St. preparing plans for ten 2½ story, 36 x 58 ft. concrete, stone and frame farm buildings. Owner's name withheld

N. C., Gastonia—Cottages—Meyers Mills plans to build forty 1 story, 4 room cottages. Robert & Co., Candler Bldg., Atlanta, Ga., engrs. and archts.

N. C., Highpoint—Exposition—Southern Furniture Exposition Bldg. Co. plans to build 10 story, 100 x 200 ft. rein.-con. and steel, rein.-con. flooring and concrete foundation on Main St. Cost between $400,000 and $500,000.

N. C., High Point—Hospital—W. L. Jackson, chn., Sanitarium, Inc., receives bids about Sept. 1 building 3 story, tile and brick, on Johnson St. About $60,000. H. Barton, Greensboro, archt.

N. C., Kannapolis—Cottages—Cabarrus Cotton Mills plan to build one hundred 1 story, 4 room cottages. Robert & Co. Candler Bldg., Atlanta, Ga., engrs. and archts.

N. C., Monroe—School—School Bd. soon receives bids building 2 story, brick, on West Lancaster St. About $50,000. Architect not selected.

N. C., Roxboro—Court House and Jail—Comrs. Person Co. plan to build courthouse and jail. About $200,000.

N. C., Shelby—Hotel—Cleveland Springs Co. plans to build hotel here. About $300,000. Architect not selected.

N. C., Wake Forest—Hotel—Wake Forest Hotel Co. soon lets contract building 4 story, brick. About $50,000. F. B. Simpson, Raleigh, archt.

Ga., Thomaston—Cottages—Peerless Cotton Mills plan to build seventy-two 1 story, four room cottages, including drainage system and auxiliary buildings. Robert & Co., Candler Bldg., Atlanta, archts. and engrs.

Ala., Birmingham—Schools—Jefferson Co. election Sept. 1, to vote on $125,000 bonds to build 3 brick or tile high schools 2 schools to cost $50,000 each and other $25,000.

Ala., Montgomery—Hospital—Sisters of Mercy having plans prepared by F. Ausfeld, archt., Montgomery, building 3 story, brick addition, rein.-con. flooring, concrete foundation. About $100,000.

O., Carthage—Clubhouse—See "Industrial Works."

O., Cleveland — Church — Hellanic Orthodox Community acquired site at 2167 West 14th St., and plans to build 2 story, 46 x 85 ft. stone, steel and brick. About $75,000. Architect not selected.

O., Cleveland — Commercial — English Woolen Mills Co., 232 Superior Ave., N. E., acquired site at 1712 Euclid Ave. and plans to build 4 story, 66 x 190 ft., rein.-con., steel, terra cotta and brick. About $150,000. Architect not selected.

O., Cleveland—Commercial—Frey-Fisher Furniture Co., Marshall Bldg., purchased site on East 125th St. and St. Clair Ave and plans to build 4 story, 80 x 100 ft. concrete, steel and brick. About $100,000. Architect not selected.

O., Cleveland—Hospital—Mt. Sinai Hospital Assn., East 105th St. and Hough Ave., acquired site on East 105th St. and Ansel Rd. and plans to build 3 story, 100 x 250 ft. rein.-con., steel and brick addition, concrete foundation. About $100,000. Architect not selected.

O., Cleveland — Hotel — Terminal Bldg. Co., Marshall Bldg., plans to build 1 story, 16 x 136 ft. rein.-con., steel and brick addition, at 204 West Superior Ave. About $50,000. Architect not selected.

O., Cleveland—Office—Cleveland Osborne Mfg. Co., 5401 Hamilton Ave., plans to build 1 story, 49 x 128 ft., rein.-con., brick and steel office addition. About $50,000. Architect not selected.

Buildings (Continued)

O., Cleveland—Office—Colburn Machine Tool Co., 1040 Ivanhoe Rd. plans to build 1 story, 44 x 78 ft. rein.-con., steel and brick. About $80,000. Architect not selected.

O., Cleveland — Office—B. Moore Paint Co., 1314 Marquette Ave., acquired site on East 71st St. and Grant Ave. and plans to build 3 story, 50 x 50 ft., rein.-con., steel and brick. About $60,000. Architect not selected.

O., Cleveland—Office—Parish & Bingham Co. acquired site at 10601 Madison Ave. and plans to build 2 story, 39 x 123 ft., rein.-con., steel and brick addition. About $75,000. Architect not selected.

O., Cleveland—Temple—Masonic Temple Assn., East 6th St. and Superior Ave., acquired site at 3515 Euclid Ave. and plans to build 6 story, 45 x 101 ft., rein.-con., steel, terra cotta and brick. About $500,000. Architect not selected.

O., Cleveland—Theatre and Office—Allen Theatre Enterprises, Richmond St., E., Toronto, Ont., having plans prepared by C. H. Crane and E. G. Kiehler, archts., 2325 Dime Bank Bldg., Detroit, Mich., for 2 story theatre, 6 story office and 2 story garage, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Euclid Ave., here. About $1,000,000.

O., Cleveland—Theatre—D. R. Hanna, 511 Leader-News Bldg., having plans prepared by C. A. Platt, archt., 101 Park Ave., New York City, for 11 story, 100 x 192 ft. rein.-con., steel and brick, on East 14th St. and Prospect Ave. About $750,000.

O., Cleveland—Theatre—Hoffman Bros., Electric Bldg., acquired site at 10210 Euclid Ave., and plans to build 4 story, 101 x 164 ft. rein.-con., terra cotta, steel and brick. About $250,000. Architect not selected.

O., Cleveland — Theatre and Office — J. Laronge Co., acquired site on East 17th St. and Euclid Ave. and plans to build 12 story, 225 x 230 ft. rein.-con., steel and brick. About $2,500,000. Architect not selected.

O., Cleveland—Theatre—Pauled Realty Co., Hippodrome Bldg., having plans prepared by Rapp & Rapp, archts., 69 West Washington St., Chicago, building 5 story, 75 x 240 ft. rein.-con., terra cotta, steel and brick, on East 105th St. and Euclid Ave. About $400,000.

O., Dayton—Stores and Offices—F. and J. Steffen, 44 East 4th St., plan to build 4 story, 60 x 120 ft., rein.-con. and brick, concrete foundation, at 5th and Main Sts. About $100,000. Architect not selected.

Ind., Whiting—Club—Owl Club having plans prepared by Zimmerman, Saxe & Zimmerman, archts., 64 East Van Buren St., Chicago, building 5 story, 45 x 65 ft., brick and timber, brick foundation. About $65,000.

Mich., Detroit—Commercial and Hall—B. C. Wetzel & Co., archt., 2317 Dime Bank Bldg., preparing plans for 2 story, 95 x 200 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Woodward Ave. and Watson St. About $150,000. Owner's name withheld.

Mich., Detroit — Market — J. Loporovsky, Oakland Ave., having plans prepared by R. Finn, archt., 1144 David Whitney Bldg., for 2 story, 60 x 100 ft., brick and timber, wood flooring, concrete foundation. About $50,000.

Mich., Detroit — Mercantile — Moore Realty Co., 512 Holden Bldg., had plans prepared by R. A. Bailey, archt., 54 Lafayette Ave., for 2 story, 75 x 100 ft., rein.-con., brick and steel, concrete foundation, on Grand River Ave. near Vinewood St. About $100,000.

Mich Detroit—Temple—Ionic Lodge F. & A. M., Lawton and Grand River Aves., having plans prepared by G. W. Graves, archt., 43 John St., for 3 story, 90 x 100 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Grand River Ave. About $130,000.

Mich., Detroit—Theatre and Stores—Allen Theatre Enterprise, 2325 Richmond St., E., Toronto, Ont., having plans prepared by C. H. Crane and E. G. Kiehler, archts., 2325 Dime Bank Bldg., for 2 story, 133 x 200 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Woodward Ave. and Watson St., here. About $600,000.

Mich., Detroit — Theatre, Bank and Stores—Zemon & Wetsman, 1020 Chamber of Commerce, had plans prepared by G. V. Pottle, archt., 1401 David Whitney Bldg., for 2 story, rein.-con., brick and steel, concrete foundation on Linwood Ave. and Virginia Park. About $150,000.

Mich., Ecorse — School — St. Francis congregation having plans prepared by G. W. Graves, archt., 43 John R St., for 2 story, 80 x 150 ft., rein.-con., brick and steel, wood and mastic flooring, concrete foundation, on State and Webster Sts. About $150,000.

Mich., Flint—Church—Van Leyen, Schilling & Keough, archts., 1115 Union Trust Bldg., Detroit, receives bids about Aug. 8, building 1 story, 80 x 140 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on Beach St., here, for St. Matthew's congregation. About $150,000. Noted July 3.

Mich., Holly—Temple and Stores—Holly Lodge F. & A. M. having plans prepared by G. W. Graves, archt., 43 John R St., Detroit, for 3 story, 63 x 108 ft., brick and steel concrete foundation, on Main St. About $100,000.

Mich., Houghton—Home—Maas Bros., archts., 400 Penobscot Bldg., Detroit, soon lets contract for 2 story, 83 x 134 ft., brick and steel, concrete foundation, for Good Will Farm. About $100,000.

Mich., Negaunee—Church, School and Parish House—Van Leyen, Schilling & Keough, archts., 1115 Union Trust Bldg., Detroit, receives bids about Aug. 8, building 2 story, 60 x 120 ft. church, 40 x 60 ft. parish house and 40 x 60 ft. school, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, here, for St. Paul's congregation. About $150,000. Noted July 24.

Mich., Oakwood—School—Van Leyen, Schilling & Keough, archts., 1115 Union Bldg., Detroit, receives bids about Aug. 8, building 2 story, 85 x 200 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, for village. About $230,000.

Mich., Wyandotte— Temple — Wyandotte Lodge F. & A. M., having plans prepared by G. W. Graves, archt., 43 John R St., Detroit, for 3 story, 75 x 120 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Biddle Ave. About $115,000.

Ill., Belleville—Bank—St. Clair Natl. Bank, Freeburg, plans to build bank here. About $150,000. Address W. Reichert, Freeburg.

Ill., Chicago—Library and Office—John Crerar Library, Marshall Field Bldg., having revised plans prepared by Holabird & Roche, archts., 104 South Michigan Ave., for library and office, on Randolph St. and Michigan Blvd. Bids will soon be received. Noted June 12.

Ill., Chicago—Offices, etc.—Hall & Ellis, 37 West Van Buren St., having plans prepared by Puckey & Jenkins, archts., 6 North Michigan Ave., for 3 story, 145 x 170 ft., rein.-con. and brick offices and auto service building, rein.-con. flooring, concrete foundation, on Michigan Ave. and 29th St. About $150,000.

Ill., Chicago—Theatre—Lubiner & Trinz, 25 East Jackson Blvd., having plans prepared by W. W. Ahlschlager, archt., 111 West Washington St., for 2 story, 125 x 215 ft., brick, steel and rein.-con., rein.-con. flooring, concrete foundation, on Kedzie and Madison Sts. About $500,000.

Ill., Springfield—Memorial—State Dept. Pub. Wks. & Bldgs., soon receives bids building 4 story, 190 x 277 ft. rein.-con. centennial memorial, on ground adjacent to State Capitol Bldg. About $1,000,000. E. Martin, 104 South Michigan Ave., Chicago, superv. archt.

Wis., Bloomington—High School—Bd. Educ. plans to build 4 story, 90 x 150 ft. on Main St. About $75,000. Architect not selected.

Wis., Cudahy—Bank—Cudahy State Bank plans to build 2 story, 70 x 150 ft. rein.-con. and brick, brick foundation on Main and Center Sts. About $75,000. J. D. Buil, pres. Architect not selected.

Wis., Madison—University—Bd. Educ. having plans prepared by A. R. Peabody, archt., Capitol Bldg., improving University of Wisconsin. Plans include remodelling college of engineering, cost $62,500, North Hall, $8000, music hall, $35,000, men's gymnasium, $5000, coal bunkers, $55,000, etc., total cost, $147,087.

Wis., Neenah—Bank—First Natl. Bank, 100 West Wisconsin Ave., having plans prepared by Childs & Smith, archts., 64 East Van Buren St., Chicago, building 1 story, 41 x 84 ft. rein.-con. and stone, concrete foundation. About $100,000.

Wis., West Bend—School—Bd. Educ., c/o J. W. Gehl, plans to build 60 x 110 ft., brick, rein.-con. and steel, brick foundation, on Main St. About $50,000. Architect not selected.

Ia., Newton—Hospital—Skiff Hospital plans to build 3 story, 88 x 118 ft. fireproof hospital. About $125,000. Cervin & Horn 310 Safety Bldg., Rock Island, Ill., archts.

Minn., Albert Lea—School—School Bd. soon lets contract remodeling and building 2 story addition to school. About $[illegible],000. F. Tustison, Auditorium Bldg., Minneapolis, engr. Jaconson & Jaconson, Owatonna, archts.

Minn., Chisholm — Recreation — Village plans to build 2 story, 100 x 175 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Main St. Plans include swimming pool and large auditorium. About $200,000. W. E. Bates, pres. chamber commerce. Architect not selected.

Minn., Duluth—Hospital—A. W. Ryan, pres. St. Luke's Hospital Assn., receives bids about Sept. 15, for 5 story, 125 x 150 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on 10th Ave., E. and 1st St. About $350,000. McKim, Mead & White, 101 Park Ave., New York City, archts. and engrs. Noted Jan. 30.

Minn., Duluth—School—Bd. Educ. rejected bids received July 11 for 2 story, 64 x 180 ft., brick addition to Riverside School. About $95,000. Work will be readvertised. Croft & Boerner, Palace Bldg., Minneapolis, archts. and engrs. Noted June 19.

Minn., Hibbing—Recreation—Town plans to build 2 story, 140 x 260 ft., rein.-con. brick and steel, rein.-con. flooring, concrete foundation, on 3rd Ave. About $250,000. Holstead & Sullivan, Palladio Bldg., Duluth, archts. and engrs.

Minn., Mankato — Office — Free Press Printing Co. had preliminary plans prepared by Kees & Colburn, archts., Plymouth Bldg., Minneapolis, for 5 story, 52 x 140 ft., rein.-con. and brick. About $225,000.

Kan., Marion—Court House—Marion Co. having plans prepared for 3 story, 96 x 124 ft. rein.-con., steel ad brick, rein.-con. flooring, concrete foundation. About $300,000. Tonini & Bramblett, 417 Terminal Bldg., Oklahoma City, Okla., archts.

Neb., Beatrice—Club—Beatrice Lodge of Masons plan to build club on 5th and Elk Sts. Cost between $50,000 and $60,000.

Wyo., Douglas—School—School Dist. soon receives bids building 3 story school. About $60,000. $80 000 bonds voted for project. T. J. Brownfield, secy. bd. educ.

Mont., Helena—Temple—Algeria Patrol Shrine receives bids in about 30 days, building 1 story on Neill and Benton Aves. About $200,000. C. S. Haire and G. H. Carsley, Power Bldg., archts.

Mont., Williston — Theatre—W. Snyder having plans prepared by R. A. Frentz, archt., Wolf Point, for 75 x 140 ft. theatre.

Buildings (Continued)

Mo., Rolla — Church — Hohenschild & Pearce, archts., Odd Fellows Bldg., St. Louis, soon receive bids building 3 story, 40 x 60 ft. rock, stone and brick, rock foundation, for Rolla Methodist Episcopal congregation. About $50,000.

Mo., St. Louis — Church — Grace Holy Cross congregation plans to build church, at 2601 North 11th St. About $50,000. C. R. Taylor, pastor. Architect not selected.

Tex., Donna—School—Trustees Donna Independent School Dist. soon receive bids building 1 story school. Cost between $50,000 and $60,000. H. F. Kuehne, 826 Littlefield Bldg., Austin, archt.

Wash., Aberdeen—Theatre and Office—Pantages Amusement Co. plans to build 4 story, brick and concrete, (2000 seating capacity) on 1 and Wishkah Sts. About $175,000. Architect not selected.

Wash., Elma—Store—Minard & Co. plans to build 2 story, 99 x 127 ft. brick and concrete, concrete foundation. About $50,000. Architect not selected.

Wash., Hoquiam — Business — Boening, Merril & Endresen plan to build 1 story, 50 x 75 ft. concrete and brick. About $50,000. Beeb & Gould, Seattle, archts.

Wash., Spokane—Hotel—A. A. Morse, 217 3rd St., plans to build 3 or 4 story brick or concrete. About $100,000. Architect not selected.

Ore., Astoria—Theatre—Jensen & Von Herberg, Liberty Theatre, Portland, plan to build 2 or 3 story, 100 x 166 ft. brick or concrete, here. About $100,000. Architect not selected.

Ore., Marshfield—Business—A. H. Powers purchased 100 x 140 ft. site on Powers tract and plans to build 2 or 3 story concrete business block. About $50,000. Architect not selected.

Cal., Los Angeles—Sales—Albertson Motor Car Co., 1101 South Hope St., having plans prepared by L. A. Smith, archt., 621 Investment Bldg., for 2 story, 155 x 160 ft., rein.-con., concrete foundation, on 16th and Figuerva Sts.

Cal., Madera — Hospital — Bd. Supervs. Madera Co. having plans prepared by E. Mathewson, archts., Cory Bldg., Fresno, for 1 and 2 story, concrete, granite and tile. About $100,000.

Cal., Monrovia — Church — Presbyterian congregation having plans prepared by H. M. Patterson, archt., 356 South Bway., Los Angeles, for 125 x 130 ft., brick, concrete foundation, on White Oak St. and Myrtle Ave. About $60,000.

Cal., Oakland—Hospital—Comrs. Alameda Co. soon receive bids building hospital on 14th Ave. and Vallecito Pl. About $500,000.

Cal., Salinas—High School—City voted $250,000 bonds to build high school.

N. B., St. John—Housing—St. John Co. plans to raise $400,000 bonds to build 60 houses.

Que., Montreal — Theatre — Allen Theatre Co., Richmond St. E., plans to build 45 x 69 ft. rein.-con. and brick, on McGill and Cathcart Sts. About $250,000. Architect not selected.

Ont., London—Post Office and Custom House — Dominion Government, Ottawa, having plans prepared by Dept. Pub. Wks., Ottawa, for 3 story, concrete, steel and brick, rein.-con. flooring, concrete foundation, here. About $400,000.

Ont., Niagara Falls — School — Bd. School Comn. soon lets contract building 3 story, stone, brick and steel. About $90,000. C. M. Borler, 102 Main St., archt. Noted July 10.

Ont., Ottawa—Theatre and Hotel—Canadian United Theatres, Montreal, Que., will receive bids remodeling and enlarging Dominion Theatre and Hotel Cecil, Sparks St., rein-con. and brick, concrete foundation. About $250,000. D. J. Spence, 107 Beaver Hall Bldg., Montreal, Que., archt.

Ont., Preston—Bank—Bank of Toronto, 55 King St. W., plans to build 2 story, steel and brick, concrete foundation, on King and Wellington Sts. About $60,000. J. M. Lyle, Avondale Rd., Toronto, archt.

Ont., Sandwich—School—Bd. Educ. plans election to vote on $60,000 by-law to build 2 story, concrete and brick, concrete foundation. Address R. S. Agnelly, chn.

Ont., Sandwich—School—Van Leyen, Schilling & Keough, archts., 1115 Union Trust Bldg., Detroit, Mich., soon let contract building 2 story, 60 x 85 ft. rein.-con. and brick, rein.-con. flooring, concrete foundation, on Wyandotte St., for Bd. Educ. About $60,000.

Ont., St. Thomas—Hospital—City and Elgin Co. plan to build memorial hospital, on Elgin St. About $225,000. N. R. Darrach, 3 Drake St., archt.

Ont., St. Thomas—Schools—City receives bids about Aug. 9, building two 2 story, six room brick school, concrete foundation. About $100,000. N. R. Darrach, 3 Drake St., archt.

Ont., Toronto—Stations, etc.—A. F. Stewart, ch. engr. Canadian Natl. Rys., 27 Wellington St., E., soon lets contract building 2 stations and 3 section houses, frame, concrete foundation; also 5 frame coal and oil houses and 21 bunk houses.

B. C., Penticton—School—Bd. Trustees plan to build 3 story, 10 room, brick and timber addition to Ellis School, concrete foundation. About $50,000. Architect not selected.

B. C., Vancouver—School—Bd. School Trustees had preliminary plans prepared by A. A. Bows, archt., School Bd. Offices, building 3 story, 24 room, brick, rein.-con. and tile, concrete foundation, on Central School site. Cost including equipment, $250,000. P. P. Brown, 410 London Bldg., engr. Noted Dec. 12.

BIDS DESIRED

R. I., Providence—Office—Until Aug. 4, by Jackson, Robertson & Adams, archts., Turks Head Bldg., for 4 story, 58 x 123 ft. and 63 x 113 ft. brick, rein.-con. flooring, concrete foundation, on West Exchange St., for General Fire Extinguisher Co., Providence. About $150,000.

N. Y., Astoria—Theatre—Until Aug. 2, by T. W. Lamb, archt., 644 8th Ave., New York City, for 2 story brick and steel, brick foundation, on Grand and Steinway Aves., here, for Glynne & Ward, Alhambra Theatre, Knickerbocker Ave. and Halsey St., Brooklyn. About $400,000. Noted May 8.

N. Y., New York—Nurses' Home—Until Aug. 14, by C. P. H. Gilbert, archt. and engr., 1123 Bway., for 5 story, 40 x 50 x 100 ft., brick and steel, at 407 West 34th St., for St. Marys Free Hospital. About $75,000. Noted July 3.

N. Y., New York—Store and Loft—Until Aug. 7, by A. Levingson, archt. and engr., 405 Lexington Ave., for 3 story, 60 x 100 ft., brick and steel, brick foundation, at 42-46 West 33rd St., for St Regis Lunch Co., c/o architect. About $80,000. Noted July 10.

N. J., Bayonne—School—Until Sept. 4, by Bd. Educ., building P. S. No. 1, on Ave. C, 4 story, brick. About $200,000. D. Anderson, 424 Ave. E., engr.

N. J., Bayonne—School—Until Sept. 4, by Bd. Educ. building P. S. No. 4 on East 5th St., 4 story brick. About $200,000. D. Anderson, 424 Ave. E., engr.

Pa., Midland — Grade — Pittsburgh Crucible Steel Co., Empire Bldg., Pittsburgh, receiving bids building 5 story, 50 x 180 ft. rein.-con. and brick, rein.-con. flooring, concrete foundation on Railroad Lane and 7th St. here. F. I. Merrick, Empire Bldg., archt. Noted Sept. 5.

Pa., Pittsburgh — Church — Hazelwood Presbyterian congregation receiving bids building 1 story, 70 x 100 ft. stone, in Hazelwood Dist. About $50,000. O. M. Topp, Jenkins Arcade, archt.

Pa., Pittsburgh—High School—Bd. Educ. receiving bids building 3 story, 225 x 250 ft. steel, brick and terra cotta, concrete foundation, in Homewood Dist. About $1,300,000. G. S. Orth & Co., Jenkins Arcade, engrs.

N. C., Nashville—Court House—Until Aug. 20, by Comrs. Nash Co. building 2 story, brick, on Washington St. About $75,000. J. C. Stout, Nashville, archt. Noted July 3.

Ala., Cloverdale—School—Until Aug. 5, by Supt. Bd. Educ., Montgomery Co., (Montgomery) building 1 story, brick, concrete foundation, covering 15,200 sq.ft. floor space. About $60,000. F. Lockwood, 119 Adams St., Montgomery archt.

Ala., Grange Hall—School—Until Aug. 5, by Dept. Educ., building 1 story, brick, rein.-con. flooring, concrete foundation, covering 16,450 sq.ft. floor space, for Montgomery Co. (Montgomery). About $80,000. F. Ausfeld, Montgomery, archt.

Ala., Hope Hull—School—Until Aug. 5, by Montgomery Co. School Bd., (Montgomery), building 1 story, brick, concrete foundation, covering 15,150 sq.ft. floor space. About $60,000. F. Ausfeld, Montgomery, archt.

Ala., Pine Level—High School—Until Aug. 5, by Montgomery Co. Bd. Educ., (Montgomery) building 1 story, brick, concrete foundation, covering 15,150 sq.ft. floor space. About $75,000. F. Ausfeld, Montgomery, archt.

O., Lodi—Church—Methodist Episcopal congregation and W. H. Nicklas, archt., 1900 Euclid Ave., Cleveland, receiving bids for 1 story, 73 x 125 ft., rein.-con. steel and brick. About $60,000.

Mich., Detroit — Theatre — C. H. Crane and E. G. Kiehler, archts., 2325 Dime Bank Bldg., receiving bids for 2 story, 50 x 200 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Michigan Ave. and Chopin St., for A. G. Grzezinski, 1518 Michigan Ave. About $50,000.

Ill., Chicago—Hotel—Holabird & Roche, archts., 104 South Michigan Ave., receiving bids for 9 story, 85 x 190 ft. rein.-con. and steel, rein.-con. flooring, concrete foundation at 177 West Madison St., for Blackhawk Hotel Co., c/o archts. About $1,250,000.

Minn., Bemidji—School—Until Aug. 5, by Bd. Educ., building 5 story, 38 x 58 ft., tile with tile foundation, in Dist. No. 48. About $70,000. Roberts & Funk, 1st Natl. Bank Bldg., archts. Noted July 17.

Minn., Biwabik—Recreation—Until Aug. 10, by L. R. Christensen, chn. bd. educ., building 1 story, 100 x 110 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $75,000. C. E. Nystrom, Palladio Bldg., Duluth, archt. and engr.

Kan., Ft. Dodge—Home—Until Aug. 5, by R. S. Gamble, state archt., Topeka, building 1 and 2 story, 67 x 166 ft. and 40 x 51 ft. soldiers' home, rein.-con., steel and brick, rein.-con. flooring, concrete foundation. About $75,000. Noted July 17.

Neb., Winnebago—School—Until Aug. 15, by Bd. Educ., Sioux Falls, S. D., building 1 and 2 story, 65 x 130 ft. brick and timber, concrete foundation. About $100,000. Holmes & Flinn, 8 South Dearborn St., Chicago, archts.

Mo., Morrisonville—School—Until Aug. 11, by H. G. Clymer, archt., 620 Wainwright Bldg., St. Louis, or C. W. Morris, clk. bd. educ., building 2 story, 63 x 110 ft., concrete, brick and steel. About $50,000.

Mo., St. Louis — Hospital — Until Aug. 12, by Bd. Pub. Serv., building 4 story, concrete, steel and brick, rein.-con. flooring, rock foundation, on St. Ange and Caroline Sts. About $190,000. L. R. Bowen, city engr.

Buildings (Continued)

Utah, Richmond—High School — Until Aug. 21, by Cache Co. School Bd. (Logan), building brick school on Main St. About $75,000. F. W. Hodgson, Commercial Bldg., Logan, archt. Noted April 3.

Ont., London—Theatre—Until Aug. 11, by T. W. Lamb, archt., 644 8th Ave., New York City, building 1 story, 100 x 125 ft., steel and brick, brick foundation, for M. Loew, 1492 Bway., New York City. About $200,000. Noted May 30.

Ont., Ottawa—Store—A. W. Horwood, archt., Castle Bldg., receiving bids building 3 story, 60 x 100 ft. rein.-con. and brick, rein.-con. flooring, on George St., for A. J. Freiman, Rideau St. About $80,000.

Ont., Ottawa—Theatre—Until Aug. 11, by T. W. Lamb, archt., 644 8th Ave., New York City, building 2 story, 100 x 175 ft., steel and brick, brick foundation, for Loew Theatres, 1492 Bway., New York City. About $300,000. Noted May 22.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Clinton**—Houses—Bigelow-Hartford Carpet Co. let contract building several brick and timber houses for workmen on School St., to Gen. Bldg. Co., Clinton. About $50,000, cost plus percentage basis.

★**R. I., Saylesville** (Pawtucket P. O.)—Housing—Saylesville Bleacheries let contract building 12 brick and timber houses for workmen, to Central Constr. Co., Slater Trust Bldg., Pawtucket. About $80,000.

★**Conn., Hartford**—Sales, etc.—M. J. Unkelbach, archts., 162 Main St., New Britain, let contract to Ellison Constr. Co., Wellington Ave., for 3 story, 64 x 306 ft. auto sales and service building, rein.-con. flooring, concrete foundation, on Washington St., for A. C. Hine Co., 314 Pearl St. About $75,000. Noted June 19.

★**Conn., Thompsonville**—Housing—Bigelow Hartford Carpet Co., 58 Main St., let contract building ten 1 and 2 story timber houses for workmen, brick and concrete foundation, on Alden Ave., to T. Savage & Sons., Washington Ave. About $50,000.

★**N. Y., Albany**—Theatre—M. Spiegel, Strand Theatre, New York City, let contract building 2 story, 75 x 175 ft., brick and steel, brick foundation, on Monroe St., here, to Jardin Constr. Co., 507 5th Ave., New York City. About $150,000. Noted May 1.

★**N. Y., Binghamton**—Theatre—Kodeco Co. let contract building 62 x 133 ft. rein.-con. and brick, at 29 Chenango St., to A. E. Badgely, Binghamton. About $100,000.

★**N. Y., Brooklyn**—Church—Zion Norwegian Lutheran congregation, 6301 5th Ave., let contract building 1 story, 50 x 100 ft., brick, steel and stone, brick foundation, on 63rd St. and 4th Ave., to T. Drysdale, 250 Baltic St. About $50,000.

★**N. Y., Brooklyn**—Exchange—McKenzie, Voorhees & Gmelin, archts. and engrs., 1123 Bway., New York City, let contract to Cauldwell-Wingate Co., 381 4th Ave., New York City, for 4 story, 60 x 125 ft., brick and steel, on 14th Ave., here, for New York Telephone Co., 15 Dey St., New York City. About $200,000. Noted July 3.

★**N. Y., Broklyn**—Theatre—I. Miller, 166 Union St., will build 2 story, 100 x 140 ft., brick and steel, brick foundation, on St. Johns Pl. and Utica Ave. About $150,000. Work will be done by day labor. Noted June 26.

★**N. Y., Johnson City**—Church—Baptist Church will build brick and concrete church. About $75,000. Work will be done by day labor under supervision of Conrad & Tiffanys, archts., Binghamton.

★**N. Y., New York**—Office—Kerr Steamship Co., 8 South William St., let contract building 12 story, 25 x 100 ft., brick and limestone, brick foundation, at 38-46 Beaver St., to G. A. Fuller, 949 Bway. Cost plus percentage basis.

★**N. Y., New York** — Store and Office — Krim Realty Co., 426 West 14th St., will build 3 story, 25 x 100 ft., brick and steel, at 143 West 33rd St. About $100,000. Work will be done by day labor. Noted July 10.

★**N. Y., Waverly**—Community—Waverly Community Assn. let contract building 2 story, 30 x 70 ft. brick and concrete, rock foundation, to S. Sykes & Son, Waverly. About $60,000.

N. J., Camden—Bank—Central Trust Co., 4th and Federal Sts., let contract building 1 story, 58 x 58 ft., concrete, marble and steel addition, to G. Bachman, 19 North 30th St. About $100,000. Noted July 17.

★**N. J., Camden**—Schools—Bd. Educ. let contract building 4 story, 80 x 168 ft., brick and stone, in Yorkship Village, to W. Linker Co., 831 Cherry St., Phila., $152,000; 2 story, 126 x 172 ft., brick and stone, to Standard Constr. Co., 1713 Sansom St., Phila., $146,500. Noted June 12.

★**N. J., Jersey City**—Schools—Bd. Educ. let contract building School No. 23, to M. T. Connolly, 238 17th St., $719,000; School No. 6, on Central Ave., to W. R. Robinson & Son, 15 Exch. Pl., $643,000. Noted June 26.

★**N. J., Newark**—Theatre—M. Spiegel, Strand Theatre Bldg., New York City, let contract for 1 story, brick and steel, brick foundation, on Broad St., to Jarden Co., 507 5th Ave., New York City. About $100,000. Noted June 19.

★**Pa., Phila.** — Bank — Second Natl. Bank, 4356 Frankfort Ave., let contract for 1 story, 72 x 100 ft., concrete, stone, brick and steel, to R. A. Raff Co., Richmond and Norris Sts. About $160,000. Noted July 3.

★**Pa., Phila.** — Restaurant — Boothby Hotel Co., 116 South 3rd St., let contract building 3 story, 56 x 66 ft., brick, to H. P. Schneider, 7326 Elmwood St.

★**Pa., Vandling**—High School—Boro. let contract building 2 story, 30 x 30 ft., brick, stone, concrete and steel, concrete foundation, on 7th St., to J. Nolan, Carbondale. About $50,150. Noted May 29.

★**O., Cleveland**—Office—Cleveland Osborne Mfg. Co., 5401 Hamilton Ave., let contract building 1 story, 49 x 128 ft., rein.-con., brick and steel office addition here, to J. R. Gloyd Co., 1816 East 33rd St. About $50,000.

★**O., Cleveland**—Office — Lakewood Eng. Co., West 117th St. and Berea Rd., let contract for 1 story, 87 x 150 ft., concrete, steel and brick addition, to J. R. Gloyd Constr. Co., 1816 East 33rd St. About $75,000. Noted July 10.

★**O., Dayton**—Bank and Business—Gem City Bldg. & Loan Co., 3rd and Jefferson Sts., let contract building 1 story, 37 x 120 ft. stone and steel, concrete foundation, at 6 North Main St., to Davis-Hunt Constr. Co., Cleveland, O.; about $80,000.

O., Euclid—High School—Euclid Heights Bd. Educ. let contract building 2 story, 75 x 100 ft. concrete, stone, steel and brick, to Kelley-Demarest Const. Co., Amer. Trust Bldg., Cleveland. About $100,000. Noted June 26.

★**O., Middletown**—Business—W. Sebald Realty Co., 301 Castell Bldg., let contract building 4 story, 52 x 120 ft., rein.-con. and brick, rein.-con. flooring concrete foundation, to J. Lowes, 906 Schwind Bldg., Dayton. About $80,000.

★**O., Springfield**—Theatre—G. Sun, Main and Limestone Sts., let contract building 3 story, 60 x 200 ft., rein.-con., steel and brick, concrete foundation, on Limestone St., to C. E. Shehan Co., 207 Holliday St., Indianapolis, Ind. About $200,000. Noted June 19.

★**O., Steubenville** — Hotel — Steubenville Hotel Co., c/o W. R. Johnson, 4th and Main Sts., let contract building 9 story, 64 x 181 ft., rein.-con. steel and brick, on 4th and Main Sts., to F. Webber, archt. and engr., Morris Bldg., Phila., Pa. Noted June 19.

★**O., West Park**—School—Bd. Educ. let contract building 2 story, 36 x 80 ft., rein.-con., steel and brick on Longmead Ave., to C. Peterson, Engineers Bldg., Cleveland. About $50,000. Noted July 17.

★**Mich., Detroit** — Hospital — St. Mary's Hospital, St. Antoine St., let contract for 1 story, 150 x 400 ft., rein.-con. and brick addition, rein.-con. flooring, on St. [illegible] and Mullet Sts., to J. Finn & Son, 2375 Woodward Ave. About $90,000.

★**Mich., Detroit** — Mausoleum — [illegible] Citizens, Dime Bank Bldg., let contract building 1 story, 29 x 41 ft., granite, concrete foundation, at Woodlawn Cemetery, to Harrison Granite Co., 702 Kresge Bldg. About $100,000.

★**Mich., Detroit**—Office — See "Industrial Works."

★**Mich., Redford** — School — St. Mary's congregation let contract for 2 story, 80 x 160 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to J. Finn & Son, 2375 Woodward Ave., Detroit. About $150,000.

★**Ill., Chicago** — Bank and Offices — I. Viehe-Naess, archt., 64 East Van Buren St., let masonry contract, to Mueller Constr. Co., 179 West Washington St., for 2 story, 90 x 160 ft. brick and timber, concrete foundation, on Clark St. and Belmont Ave., for Lake View State Bank, 3160 North Clark St. About $150,000. Noted May 29.

★**Ill., Chicago**—School—St. Phillip Benici Catholic Parish, Oak and Cambridge Sts., let masonry contract for 2 story, 60 x 105 ft. rein.-con. and brick, rein.-con. flooring, concrete foundation, to F. Burke, 35 South Dearborn St. About $75,000.

★**Ill., Oak Park**—Bank—Puckey & Jenkins, archts., 6 North Michigan Ave., Chicago, let masonry contract to S. N. Nielsen & Co., 1853 North Kedzie Ave., Chicago, for 1 story, 60 x 140 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, on Oak Park Ave. and North Blvd., for Avenue State Bank, 126 North Oak Park Ave. About $100,000. Noted June 5.

★**Minn., Brainerd**—Court House—Comrs. Crow Wing Co. let contract building 3 story, 90 x 130 ft., rein.-con. and steel, rein.-con flooring, concrete foundation, to J. and W. A. Elliott Co., 906 Lumber Exch., Minneapolis, $175,000. Noted June 26.

★**Minn., Duluth** — High School — Sacred Heart congregation let contract building 3 story, 30 x 120 ft., rein.-con., brick and steel addition, rein.-con. flooring, concrete foundation, on West 4th St., to Pfeffer Constr. Co., 412 Tarney Bldg. About $60,000.

★**Minn., Ivanhoe**—Court House—Comrs. Lincoln Co. let contract building 2 story, 60 x 109 ft., brick and stone, to Madsen & Peterson, 646 Builders' Exch., Minneapolis, $143,000. Noted July 3.

★**Kan., Topeka**—Church—Walnut Grove Methodist Episcopal congregation let contract building 2 story, 70 x 100 ft. rein.-con., steel and brick, concrete foundation, to J. Cuthbert & Sons, 18th and Topeka Aves. About $50,000.

★**Neb., Omaha**—Hotel—J. W. and L. Hill, Blackstone Bank Bldg., let general contract building 13 story, 66 x 66 ft., concrete, steel frame, hollow tile and concrete flooring, steel and concrete foundation, on 16th and Howard Sts., to Vaughn Constr. Co., 522 Bee Bldg. About $278,000. Noted June 19.

★**Mo., Butler** — Bank — Farmers Bank of Bates Co., Farmers Bank Bldg., let contract building 2 story, 75 x 130 ft. concrete, steel, brick and Carthage stone, rock foundation, on Public Sq., to W. F. Duvall, Butler. About $50,000.

★**Ariz., Mesa**—High School—Trustees High School let contract building 2 story brick addition, concrete foundation, to Edwards & Wildey Co., 515 Black Bldg., Los Angeles, $77,500. Noted June 5.

★**Ariz., Phoenix**—Schools—City let contract building two 60 x 143 ft. schools, to Eagan Constr. Co., 206 Noll Bldg., $31,800 each.

★**Ariz., Phoenix**—School—School Trustees let contract building 2 story, 80 x 210 ft., containing manual training dept., etc., to Edwards & Wildey, 515 Black Bldg. About $190,000. Noted June 19.

★**Wash., Seattle** — Business — Chandler, Lyon Co., 914 East Pie St., let contract building 3 story, 120 x 121 ft., concrete, to H. D. Stewart, Amer. Bank Bldg. About $91,000.

Buildings (Continued)

★Ore., **Mt. Angel**—Parish School—Mt. Angel Parish School will build 1 story, 166 x 198 ft., brick and masonry addition to school, to include class rooms, auditorium and dining room. About $50,000. Work will be done by day labor.

★Cal., **Burbank**—Office—See "Industrial Works."

★Cal., **Covina**—School—Trustees Grammar School Dist. let general contract building 1 story, 300 x 300 ft., rein.-con., rein.-con. flooring, concrete foundation, to Wopschall Bros., 100 East Colorado St., Pasadena, $107,000.

★Cal., **Pasadena**—Store—Model Grocery Co. let contract building 3 story, 75 x 200 ft., brick, concrete foundation, at 248 East Colorado St., to W. T. Loesch, 109 North Chester St., $83,363.

★Ont., **Ottawa**—Theatre, Stores and Office—Loew's Theatres, Ltd., let contract building 4 story, 150 x 200 ft. terra cotta, rein.-con. and steel, rein.-con. flooring, concrete foundation, on Bank and Queen Sts., to Bate & McMahon, Central Chambers, Elgin St. About $450,000.

★Alta., **Edmonton**—School—City let contract building agricultural school, to Smith Bros. & Wilson, Lethbridge, $144,010.

Federal Government Work

PROPOSED WORK

N. Y., New York—Repairing Dry Dock—Spec. 4014—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to repair dry dock No. 4, here. Estimated cost, $100,000.

N. Y., Stapleton—Kitchen and Mess Hall—Treas. Dept., Wash., D. C., received no bids building kitchen and mess hall at Marine Hospital, here. J. A. Wetmore, superv. archt. Noted July 10.

Pa., Phila.—Boat and Storage Building—Spec. 4012—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build here.

Pa., Phila.—Cranes—Spec. 4013—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install in boat and general storage building, here.

S. C., Charleston—Mechanical Stokers—Spec. 4010—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install in Central Power Plant, here. About $11,000.

S. C., Charleston—Turbo-Alternator—Spec. 4011—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install in Central Power Plant, here. About $50,000.

Ore., Benham Falls—Reservoir and Dam—U. S. Recl. Serv. having plans prepared for reservoir and dam with capacity to irrigate 100,000 acres. Adress F. E. Weymouth.

Cal., San Diego—Marine Brigade Post—N. F. Smith, pub. wks. officer, 12th Naval Dist., Timken Bldg., Los Angeles, receives bids in September, building marine brigade post including administration building, power house, additional barracks, storage houses, sewer, water and lighting systems, etc., on "Dutch Flats."

BIDS DESIRED

Mass., Boston—Wharf—Until Aug. 9, by U. S. Engr. Office, building pile wharf at Hog Island; advertised in this issue.

Conn., Mystic—Post Office—Until Aug. 25, by Treas. Dept., Wash., D. C., building post office, here. J. A. Wetmore, superv. archt.

N. Y., Buffalo—Dredging—Until Aug. 29, by U. S. Engr. Office, 540 Federal Bldg., dredging in outer harbor, here; advertised in this issue.

N. Y., New York—Dredging—Until Aug. 29, by U. S. Engr., 39 Whitehall St., dredging in Newtown Creek; advertised in this issue.

N. Y., New York—Sea Wall—Until Aug. 27, by U. S. Engr. Office, 39 Whitehall St., repairing and enlarging sea wall near southern boundary of Sandy Hook Reservation, N. J.; advertised in this issue.

N. J., Lakehurst—Hangar—Spec. 4001—Until Aug. 6, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building 1 dirigible hangar, here. Estimated cost, $1,500,000. Noted July 17.

D. C., Wash.—Canal Wall—Until Aug. 7, by Dist. Comrs., Dist. Bldg., reconstructing portion of canal wall west of Aqueduct Bridge; advertised in this issue.

D. C., Wash.—Water Pipe—Until Aug. 19, by Dist. Comrs., Dist. Bldg., furnishing and delivering 342 tons 8 in. c.i. water pipe and 32 tons special water pipe.

Va., Norfolk—Dredging—Until Aug. 18, by U. S. Engr. Office, Custom House, dredging in 40 ft. channel between Hampton Roads and Belt Line Railway Bridge in Southern Branch of Elizabeth River; advertised in this issue.

Va., Norfolk—Dredging—Until Aug. 27, by U. S. Engr. Office, Custom House, dredging in waterway from Norfolk to Sounds of North Carolina; advertised in this issue.

Va., Norfolk—Roofing—Spec. 4005—Until Aug. 20, by Bureau Yards & Docks, Navy Dept., Wash., D. C., roofing hospital buildings, here. Estimated cost, $20,000. Noted July 17.

Ga., Douglas—Post Office—Until Sept. 10, by Treas. Dept., Wash., D. C., building post office, here. J. A. Wetmore, superv. archt.

Tenn., Memphis—Rip Rap—Until Aug. 14, by Mississippi River Comn., 1st and 2nd Dists., Custom House, furnishing 40,000 tons rip rap, f.o.b. cars at contractor's quarry.

Ky., Louisville—Lock and Abutment—Until Aug. 27, by U. S. Engr. Office, Louisville, building lock and abutment for Dam No. 45, Ohio River, at Addison. Noted June 26; advertised in this issue.

Mich., Detroit—Timber and Cement—Until Aug. 11, by Lighthouse Supt., 341 Post Office Bldg., furnishing 11,000 B. M. white oak timbers, 6 x 12 in. and 8 x 10 in. and 800 bbls. Portland cement, for use in constructing new concrete wharf at Detroit Lighthouse Depot; advertised in this issue.

Ill., Great Lakes—Groins—Spec. 4004—Until Aug. 13, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building groins for shore protection, here. Estimated cost, $125,000. Noted July 17.

Ariz., Flagstaff—Road Work—Until Aug. 13, by Bureau Pub. Rds., U. S. Dept. of Agriculture, Albuquerque, N. M., improving 4.8 mi. Oak Creek Cutoff Project located within Coconino Natl. Forest, Coconino Co. J. S. Bright, c/o Bureau Pub. Rds., 218 Luna-Strickler Bldg., Albuquerque, dist. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., Stapleton—Mechanical Equipment—Treas. Dept., Wash., D. C., received bid furnishing mechanical equipment for kitchen and mess hall, at Marine Hospital, here, from G. E. Engr. Co., 22 Laight St., New York City, $86,550. Noted July 10.

★**N. J., Barnegat**—Stone Jetties—Bureau of Lighthouses, Wash., D. C., let contract building 2 stone jetties, here, involving 880 tons stone and 60 tons brush, to L. J. Seiling, Red Bank, $17,040.

Pa., Phila.—Dredging—U. S. Engr. Office, Phila., received bids July 25, dredging in Schuylkill River, (a) Sect. 1, involving 537,300 cu.yd. scow or 488,455 cu.yd. in place; (b) Sect. 2, 542,900 cu.yd. scow or 493,545 cu.yd. in place; (c) Sect. 3, 463,000 cu.yd. scow; (d) Sect. 4, 394,700 cu.yd. scow or 358,818 cu.yd. in place; (e) Sect. 5, 290,500 cu.yd. scow, from Great Lakes Dredge & Dock Co., Beach and East Susquehanna Sts., (d) and (e) $.835 scow, $572,420; Amer. Dredging Co., Marine & Mercahnts Bldg., (a) $.238 scow, $127,877, (b) $.226 in place, $11,541, (c) $.298 scow, $137,974, (d) $.375 scow, $148,013, (e) $.64 scow, $185,920, alternate (a), (b), (c) and (d) $.269 scow, $520,295; Maryland Dredging & Constr. Co., Finance Bldg., (a) $.22 in place, $107,460, (d) $.29 in place, $104,057, (e) $.45 scow, $130,725, alternate bid (d) and (e) $.325 scow, $243,246. Noted June 26.

★**Pa., Pittsburgh**—Locks and Dams—U. S. Engr. Office, Pittsburgh, let contract building locks and fixed dams in Ohio River near Emsworth, to Dravo Contg. Co., Diamond Bank Bldg., $2,300,000. Noted June 12.

Md., Baltimore—Dredging—U. S. Engr. Office, Custom House, received bids July 21, dredging in channel to Curtis Bay, involving 950,000 cu.yd. scow measurement with over-depth dredging of 174,000 cu.yd., from Sanford & Brooks Co., Commerce St., $.27 per cu.yd.; Maryland Dredging & Contg. Co., 1515 Fidelity Bldg., $.28 per cu.yd.; F. E. Jones, 1002 Bank of Commerce Bldg., Norfolk, $.29 per cu.yd. Noted June 26.

W. Va., Charleston—Cranes—Spec. 3677—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids July 23, furnishing and installing two 150 ton electric traveling cranes, from Morgan Eng. Co., Alliance, O., $46,775, alternate $42,275 and $65,685, (190 days each); Cleveland Crane & Eng. Co., Wycliffe, Cleveland, O., $136,320 (240 days); Niles-Bement-Pond Co., 111 Broadway, New York City, $146,000, (300 days); Manning, Maxwell & Moore, 119 West 40th St., New York City, $98,876, (210 days); Alliance Machine Co., South Mahoning Ave., Alliance, O., $131,400, (200 days).

Ga., Dawson—Post Office—Treas. Dept., Wash., D. C., received bids building here, from P. H. Wall Contg. Co., St. Louis, Mo., $27,318; Unkefer Constr. Co., Minerva, O., $38,375. Noted July 10.

Ala., Andalusia — Post Office — Treas. Dept., Wash., D. C., received bids July 22, building here, from A. Blair, Montgomery, Ala., $47,890; King Lumber Co., Charlottesville, Va., $59,800. Noted June 26.

★**Ala., Florence**—Derricks—U. S. Engr. Office, Florence, let contract furnishing derricks, to E. F. Terry Mfg. Co., Grand Central Terminal, New York City, $159,589. Noted Apr. 24.

★**Mich., Detroit**—Pumps and Water Piping—Treas. Dept., Wash., D. C., let contract installing pumps and water piping in Post Office and Court House, here, to Drake-Avery Co., 40 State St., $6693 (120 days).

★**Ia., Fairport**—Laboratory—Comr. Fisheries, Dept. Commerce, Wash., D. C., let contract building laboratory at Biological Sta., here, to Walsh Constr. Co., 114½ West 3rd St., Davenport, $82,500. Noted June 5.

Idaho, Sorrento—Cottage—C. Sells, comr. Indian Affairs, Wash., D. C., received bids July 23, building physician's cottage at Cœur d'Alene School, here, from W. D. Lovell, 1415 South East 8th St., Minneapolis, Minn., $8815, (120 days); D. W. Parks, Bonners Ferry, $5876, (75 days); W. Pearce, 39 Cortlandt St., New York City, $5670, (75 days). Noted June 26.

Ariz., Leupp—Bridges—C. Sells, comr. Indian Affairs, received bids July 23, building 2 steel highway bridges, (1) bridge "E," (2) bridge "D," from J. J. Burke & Co., Kearns Bldg., Salt Lake City, Utah, (1) cost plus $4000, (150 days), (2) cost plus $8000, (180 days); Monarch Eng. Co., West Colfax Ave. and Larimer St., Denver, Colo., (1) $15,277, (210 days), (2) $36,439, (210 days); Omaha Structural Steel Co., 420 Bee Bldg., Omaha, Neb., (1) $15,800, (240 days), (2) $31,000, (240 days). Noted June 26.

Ore., Bend—Road Work—Bureau Pub. Rds., U. S. Dept. of Agriculture, 628 Post Office Bldg., Portland, received bids July 11, building and improving 15.51 mi. McKenzie River, National Forest Rd., Deschutes National Forest, Deschutes Co., from Sims & Carlson, Spokane, Wash., $224,474; Pacific Bridge Co., foot of Salmon St., Portland, $252,453; A. Giebisch, Portland, $278,872. Noted July 10.

Cal., Los Angeles—Silt Diversion Works—U. S. Engr. Office, 725 Central Bldg., received bids July 18 building here, involving 6 mi. channel, 500 ft. wide, levees and stone revetments from F. C. Franks Contg. Co., Amer. Natl. Bank Bldg., San Francisco, for all work in Sects. A and B, involving 1,030,000 cu.yd. earth work and 180,000 tons stone revetment, $716,350; Los Angeles Dredging Co., 1,300,000 cu.yd. excav. in Sect. C, $299,000; Rogers Bros. Co., 350 Merrick St., 40,000 tons stone revetment and 5000 tons stone jetties in Sect. C, $220,500. Total combination, $1,235,800. Noted June 19.

Miscellaneous

PROPOSED WORK

Coal Pocket—Fall River, Mass.—Staples Coal Co., 20 Bedford St., soon receives bids building rein.-con. coal pocket on Davol St. About $42,000. Private engineer.

Miscellaneous (Continued)

Scenic Railway—Hartford, Conn.—S. A. de Waltoff, 67 California St., plans to build scenic railway at Capitol Park, on Wethersfield Ave. About $30,000. Berenson & Moses, 1026 Main St., West Haven, engrs.

Swimming Pool—Hartford Conn.—S. A. de Waltoff, 67 California S.., West Haven, plans to build concrete swimming pool at Capitol Park on Wethersfield Ave. About $60,000. Engineer not selected.

Transmission Line—Watertown, N. Y.—Northern New York Utilities, Inc., Light & Power Bldg., having plans prepared for steel tower high tension transmission line from here to Black River, 7 mi. long. Cost between $80,000 and $100,000. Address H. G. Davis, ch. engr. Noted May 1.

Grandstand and Stadium—Phila., Pa.—J. H. Schumaker, 4819 Frankford Ave., had plans prepared by W. F. Gray, archt., 10 South 18th St., building 460 ft., concrete and steel grandstand and stadium, 7 rows high. About $150,000.

Subway—Detroit, Mich.—City had plans prepared building subway system in congested section of city comprising Fort St., Woodward, Monroe, Michigan, Grand River and Jefferson Aves. All stations to be underground. About $6,000,000. H. H. Esselstyn, ch. engr.

Park—Oshkosh, Wis.—City plans to build park in West Algona addition. About $15,000. D. Witzel, city clk.

Swimming Pool—Chisholm, Minn.—See "Buildings."

Transmission Line—Hudson, Kan.—City having plans prepared building transmission line for electric plant. About $15,000. W. B. Rollins & Co., 209 Ry. Exch., Kansas City, Mo., engrs.

Park Improvements, etc.—Boonville, Mo.—City issued $14,000 bonds for park improvements and buildings. W. E. Harris, Boonville, engr.

Park, etc.—St. Louis, Mo.—Bd. Pub. Serv. soon receives bids tearing down buildings and building playground at 11th, 12th, Benton and Montgomery Sts. About $15,000. N. Cunliff, City Hall, engr.

Speedway—Dalworth, Tex.—City of Dallas plans to build speedway here, midway between Dallas and Ft. Worth. Road to be built on 65 acres site on interurban and Dallas-Ft. Worth Pike. About $150,000.

Electric—Tishomengo, Okla.—City having plans prepared for electric improvements. Bonds for $60,000 voted for project.

Oil Tanks, etc.—Spokane, Wash.—Shell Oil Co. of California, North 111 Green St., plans to build 10 steel and concrete oil tanks, 100 bbl. capacity each, and reservoir. About $100,000.

Park and Natatorium—Baker, Ore.—City plans to establish park and having preliminary plans prepared for 2 story tile and brick natatorium, to include swimming pool, dancing pavilion and tourists camps. About $130,000. L. Gardner, mayor. Architect not selected.

Tunnel — Hook, Ore. — State Highway Comn., Salem, having plans and estimates made for 270 ft. tunnel, near here, on Columbia River Highway. About $30,000. H. Nunn, state highway engr.

Tunnel—Quinton, Ore.—State Highway Comn., Salem, having plans prepared for 560 ft. tunnel, near here, on Columbia River Highway. About $50,000. H. Nunn, state highway engr.

Swimming Pool — Colusa, Cal. — City trustees soon receive bids building concrete swimming pool. About $20,000. E. Symmes, 1700 Pearl St., Oakland, engr.

Equipment—Terra Bella, Cal. — Terra Bella Irrigation Dist. plans to spend $20,000 for equipment, etc., to irrigate 320 acres land, recently acquired. Noted April 3 under "Excavation and Dredging."

Dam—San Diego, Cal.—City directed H. N. Savage, city hydraulic engr., to prepare plans for single arch. rein.-con. dam for Barrett dam site. About $800,000. A. H. Wright, clk. Noted Jan. 30.

Transmission Line—San Diego, Cal.—H. N. Savage, city hydraulic engr., has arranged with San Diego Consolidated Gas & Electric Co., 935 6th St., to build transmission line to Barrett dam site near here.

Tank and Tower—Woodland, Cal.—City having plans prepared for 125,000 gal. water tank and tower. A. Proctor, city engr.

Wharf—Nova Scotia—Dept. Pub. Wks., Ottawa, Ont., soon lets contract building wharf on Bass River for Dominion Government, Ottawa. About $21,000. E. Lafleur, Ottawa, engr.

Wharf—Quaco, N. B.—Dept. Pub. Wks., Ottawa, Ont., soon receives bids rebuilding wharf here. About $22,000. E. Lafleur, c/o Dept. Pub. Wks., Ottawa, engr.

Harbor Improvements—Quebec, Que.—Dept. Pub. Wks., Ottawa, soon receives bids improving St. Charles River, Quebec Harbor. About $56,000. E. Lafleur, c/o Dept. Pub. Wks., Ottawa, engr.

Breakwater — Collingwood, Ont.—Dept. Pub. Wks., Ottawa, soon lets contract building breakwater here. About $34,000. R. C. Desrochers, secy.

Harbor Improvements—Ft. William, Ont. Dept. Pub. Wks., Ottawa, soon lets contract improving harbor here. About $200,000. R. C. Desrochers, secy.

Hydro Electric System—Victoria, Ont.—Town Council appointed committee to obtain estimates on hydro electric power and lighting system for Charlotteville Twp.

River Improvement—Steveston, B. C.—Dept. Pub. Wks., Ottawa, Ont., soon receives bids improving Fraser River at Nicomen Island, here. About $110,000. E. Lafleur, c/o Dept. Pub. Wks., engr.

BIDS DESIRED

Pier and Approach—Brooklyn, N. Y.—Until Aug. 8, by M. Hurlburt, comr. docks, Pier A, North River, New York City, furnishing all labor and materials for building pier and approach north of Barren Island, Jamaica Bay, Contr. No. 1609.

Paving Materials—St. George, S. I., N. Y.—Until Aug. 6, by C. D. Van Name, pres. Richmond Boro., furnishing and delivering asphalt mixing plant without boiler and wagon, steam roller and tools.

Piling—Hoboken, N. J.—Delaware, Lackawanna & Western R.R., 90 West St., New York City, receiving bids for piling for foundation for concrete viaduct over tracks on Newark Turnpike, here. G. J. Ray, ch. engr.

Structural Steel—Pittsburgh, Pa.—Amer. Window Glass Co., Farmers' Bank Bldg., receiving bids furnishing 200 tons structural steel to cover requirements for 4 months.

Refuse Destruction Plant—Newport, Ky. Until Aug. 9, by Bd. City Comrs., building refuse destruction plant of 2 units, 20-25 ton capacity each. J. G. Herman, city engr.; advertised in this issue.

Pumps, Engines, Etc.—Detroit, Mich.—Until Aug. 6, by J. A. Martin, comr. Dept. Purchases & Supplies, Municipal Courts Bldg., furnishing 4 gasoline driven double diaphram trench pumps with 3 in. suction and discharge hose mounted on wheels also 4 trench backfillers equipped with 1 man scraper, gasoline engines, caterpillar traction.

Wire—Detroit, Mich.—Until Aug. 14, by J. A. Martin, comr. purchases and supplies, Municipal Courts Bldg., furnishing 50 mi. No. 10 B. & S. gauge, 3 braid weatherproof hard drawn copper wire, freight paid to Detroit.

Mechanical Loader—Hastings, Minn.—Until Aug. 18, by R. W. Downs, aud. Dakota Co., furnishing mechanical loader, suitable to load gravel from pits into auto trucks; advertised in this issue.

Reinforced Bars and Portland Cement—St. Paul, Minn.—H. W. Austin, city purch. agt., receiving bids furnishing 25 tons steel reinforced bars and 800 bbl. Portland cement.

Levee — Bridge Junction, Ark. — Until Aug. 4, by H. D. Tomlinson, pres., and J. R. West, secy., St. Francis Levee Dist., Bridge Junction, building levee at St. Francis Levee Dist. About $200,000.

Channel—Prince Edward Island—Until Aug. 19, by Dept. Pub. Wks., Ottawa, Ont., building channel protection works on either side of new opening from Gulf of St. Lawrence into North Lake (gs Co.), work involves 1600 piles, ston lling, T-shaped protection works, 20 x wide, 12 ft. high. About $ 000. E. Lafleur, Ottawa, Ont., engr.

Wharf—Anse aux Gascons, ue.—Until Aug. 14, by Dept. Pub. Wks., Ot wa, building 400 ft. wharf, 30 ft. wide, ft. high, involving 350 cu.yd. earth fill About $36,000. E. Lafleur, c/o Dept ub. Wks., Ottawa, engr. Noted April 10.

Wharf—Cornwall, Ont.—Until Aug. 12, by Dept. Rys. and Canals, Ottawa, rebuilding and extending wharf, Lock 17-18, Cornwall Canal. About $30,000. A. Bowden, Ottawa, Ont., engr.

Wharf—Stewart, B. C.—Until Aug. 20, by Dept. Pub. Wks., Ottawa, Ont., building timber wharf in Skeena Dist., here. About $34,000. E. Lafleur, c/o Dept. Pub. Wks., Ottawa, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Coal Pocket—Brooklyn, N. Y.—Lehigh & Scranton Coal Co., 5th and Berry Sts., let contract building rein.-con. coal pockets, to Linde & Griffith, foot of 4th Ave., Newark, N. J. About $75,000.

★Coal and Ash Handling Equipment—Central Islip, N. Y.—State Hospital Comn., Capitol, Albany, let contract for coal and ash handling equipment for hospital, here, to Guarantee Constr. Co., 140 Cedar St., New York City, $59,350. Noted July 10.

Sand—New York, N. Y.—F. L. Dowling, pres. Manhattan Boro., received only bid July 21, furnishing and delivering 11,000 cu.yd. asphalt wearing surface sand, Grade "B," from C. W. Crane, $13,200. Noted July 17.

★Electrical Equipment—Jersey City, N. J.—Bd. Educ. let contract installing exhaust fan and electrical equipment in Lincoln High School, to W. Coleman, Willow Court. About $10,000.

★Covers, Frames, etc.—Detroit, Mich.—City let contract to Stuart Fdry. Co., 207 Junction Ave., furnishing 550 manhole covers at $16, total $8800, 25 manhole frames, $10, $250, 25 manhole covers, $6, $150, 60 manhole covers, $6.75, $405, 900 Duplex complete, $16.50, $14,850, 50 Duplex frames, $6.20, $310, 50 Duplex covers $5.35, $268, 400 pool gates complete, $12.50, $5000, 25 pool gate frames, $6.75, $168.75, 25 pool gate covers, $4.50, $112.50, 50 circular curb boxes, $3.10, $155, total, $30,439.

★Transformer Stations — Chicago, Ill.—Holabird & Roche, archts., 104 South Michigan Ave., let contract to Black Constr. Co., 20 West Jackson St., for 2 story, 40 x 84 ft., brick and rein.-con. transformer stations, one at 6909 Throop St. and another at 2644 Irving Park Blvd., for Commonwealth Edison Co., 72 West Adams St. Total cost $175,000.

Pontoon—Portland, Ore.—Port of Portland received bids building pontoon No. 6, for St. John's drydock, from R. Wakefield, Worcester Bldg., $129,262, (5 mos.); coast Shipbuilding Co., Lewis Bldg., $132,500 (110 days); Northwestern Constr. Co., Portland, $132,544, (160 days).

Engine and Generating Unit—Palo Alto, Cal.—Bd. Pub. Wks. received bids furnishing and installing Deisel engine at power plant, from McIntosh-Seymour Corp., 461 Market St., $48,900; electric generating unit, from Genl. Electric Co., Rialto Bldg., $5680, contractors both of San Francisco. Bonds for $72,000 voted for project. Noted June 19.

★Dam—San Francisco, Cal.—Pacific Gas & Electric Co., 445 Sutter St., let contract enlarging dam in Lake Spaulding, rising height from 260 to 275 ft., to Duncanson Harrelson Co., Chronicle Bldg. About $400,000.

★Train Shed—Halifax, N. S.—C. B. Brown, engr., Moncton, N. B., let contract to Shearer Constr. Co., 225 St. Patrick St., Montreal, Que., building train shed at new South Station ocean terminals, for Canadian Natl. Rys., Moncton, N. B. About $80,000. Noted July 3.

★Hydro-Electric System — Teeswater, Ont.—Town Council having plans prepared installing hydro power and lighting system. About $15,000. Work will be done by day labor under supervision of Ontario Hydro Comn., University Ave., Toronto, engrs. Noted July 3.

★Park Improvement — Toronto, Ont.—City will improve and extend Ramsden, Riverdale, Withrow, Monark Parks and Allen Gardens. About $125,000. Work will be done by day labor.